Heating & Air Conditioning
Amana®
AMERICA'S BRAND FOR COMFORT™

APU14M

COOLING CAPACITY: 23,000 – 56,000 BTU/H
HEATING CAPACITY: 40,000 – 80,000 BTU/H

PACKAGED GAS/ELECTRIC ULTRA-LOW NOx 2 TO 5 TONS UP TO 14 SEER / 81% AFUE

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Standard Features

- Heavy-duty stainless-steel heat exchanger
- Energy-efficient scroll compressor
- Multi-speed ECM indoor blower motor
- All-aluminum evaporator coil
- Compressor sound blanket
- Flowrater expansion device
- Power-assisted combustion
- Direct spark ignition system includes a microprocessor-based control for the entire ignition sequence, all blower operation, and all safety circuits complete with self-diagnostics
- California Ultra-Low NOx emissions compliant
- Eligible for installation in California's South Coast Air Quality Management District (SCAQMD) and San Joaquin Valley Air Pollution Control District (SJVUAPCD). This gas packaged unit furnace complies with the 14 ng/J NOx emission limit in SCAQMD Rule 1111 and SJVUAPCD Rule 4905. This gas packaged unit furnace is eligible for the SCAQMD Clean Air Furnace Rebate Program: www.CleanAirFurnaceRebate.com
- AHRI Certified; ETL Listed

Cabinet Features

- High-quality UV-resistant powder-paint finish
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Horizontal or downflow application
- Convenient access panels
- One roof curb fits all units
- Fully insulated cabinet
- Bottom, 2" high base rails for easier handling
- One footprint for all tonnages

LIFE TIME HEAT EXCHANGER LIMITED WARRANTY* · 10 YEAR PARTS LIMITED WARRANTY* · 2 YEAR UNIT REPLACEMENT LIMITED WARRANTY*

Intertek · AHRI CERTIFIED® · COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL ▪ ISO 9001 ▪ · COMPANY WITH ENVIRONMENTAL SYSTEM CERTIFIED BY DNV GL ▪ ISO 14001 ▪

* Complete warranty details available from your local dealer or at www.amana-hac.com. To receive the Lifetime Heat Exchanger Limited Warranty (good for as long as you own your home), 2-Year Unit Replacement Limited Warranty and 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration and some of the additional requirements are not required in California or Quebec.

Amana® is a trademark of Maytag Corporation or its related companies and used under license to Goodman Company, L.P., Houston, Texas.

A	P	U	14	36	080	M	4	1	**
1	2	3	4,5	6,7	8,9,10	11	12	13	14,15

Brand

A Amana® brand

Product Category

P Packaged Unit

Unit Type

G Gas/Electric

D Dual-Fuel

U Ultra-Low NOx

Efficiency

14 14 SEER

16 16 SEER

Nominal Capacity

24	2 Tons	36	3 Tons	48	4 Tons
30	2½ tons	42	3½ Tons	61	5 Tons

Engineering

Major/ Minor Revisions
(not used for inventory control)

Electrical

1 208-230/1/60

Refrigerant

4 R-410A

Airflow

M Multi-Position

Heat Input

40 40 MBTU/h

60 60 MBTU/h

80 80 MBTU/h

	APU1424 040M41A*	APU1430 060M41A*	APU1436 060M41C*	APU1442 080M41C*	APU1448 080M41C*"	APU1461 080M41A*
Cooling Capacity						
Total BTU/h	23,000	28,600	34,200	40,000	46,500	56,000
Sensible BTU/h	18,400	22,800	27,000	30,000	36,800	42,000
SEER / EER	14.0 / 11.0	14.0 / 11.0	14.0 / 11.0	14.0 / 11.0	14.0 / 11.0	14.0 / 11
Decibels	78	78	78	78	80	78
AHRI Reference #s	207252517	207252547	207252523	207252531	207252535	207252541
Heating Capacity						
Input BTU/h	40,000	60,000	60,000	80,000	80,000	80,000
Output BTU/h	31,000	48,000	48,000	64,000	64,000	64,000
AFUE	81	81	81	81	81	81
Temperature Rise Range	20- 50	30- 60	30- 60	30- 60	30- 60	30- 60
No. of Burners	1	1	1	1	1	1
Orifice Size (Natural/Propane)	#31	#25	#25	#17	#17	#17
Evaporator Motor						
Type	EEM	EEM	EEM	EEM	EEM	EEM
Wheel (D x W)	10” x 8”	10” x 8”	10" x 9"	11” x 10”	11” x 10”	11” x 10”
Indoor Nominal CFM	800	1,000	1,200	1,300	1,525	1325 L / 1700 H
Motor Speed Tap (Cooling)	T4	T4	T4	T4	T4	T3 L / T4 H
Horsepower	1/2	1/2	1/2	3/4	3/4	1
Evaporator Coil						
Face Area (ft²)	4.3	4.3	4.3	5.7	5.7	5.7
Rows Deep/Fins per Inch	3/14	3/14	4/14	4/14	4/14	4/14
Piston Size (Cooling)	0.057	0.062	0.068	0.072	0.076	TXV
Drain Size (NPT)	¾”	¾”	¾”	¾”	¾”	¾”
Refrigerant Charge (oz.)	75	78	92	103	107	100
Condenser Fan / Coil						
Horsepower- RPM	1/6- 815	1/4- 1,075	1/4- 1,075	1/4- 1,075	1/3- 1,122	1/3- 1,122
Diameter / # of Blades	22” / 3	22” / 3	22" / 3	22” / 3	22” / 3	22” / 3
Outdoor Nominal CFM	2,150	3,050	2,850	3,300	3,000	3,000
Face Area (ft²)	12.3	12.3	11.1	15.4	14.4	14.4
Rows Deep/Fins per Inch	1/24	1/24	2/27	1/24	2/27	2/27
Compressor						
Quantity / Type	1 / Scroll	1 / Scroll	1 / Scroll	1 / Scroll	1 / Scroll	1 / Scroll
Stage	Single	Single	Single	Single	Single	Two
Compressor RLA/LRA	13.5 / 58.3	14.1 / 73	14.1/77.0	17.9 / 112	18.5 / 124	22.9 / 147.2
Electrical Data						
Voltage-Phase (60 Hz)	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1
Indoor Blower FLA	3.8	3.8	3.8	5.4	5.4	7.0
Outdoor Fan FLA/LRA	0.95/2.0	1.4 / 3.2	1.4 / 3.2	1.4 / 3.2	2.0 / 4.4	2.0 / 4.4
Min. Circuit Ampacity	21.6	22.8	22.8	29.2	30.5	37.6
Max. Overcurrent Protection	35 amps	35 amps	35 amps	45 amps	45 amps	60 amps
Entrance Size Power Supply	1⅛”	1⅛”	1⅛”	1⅛”	1⅛”	1⅛”
Entrance Size Control Voltage	⅞”	⅞”	⅞”	⅞”	⅞”	⅞”
Operating / Ship Weights (lbs)	412 / 435	420 / 442	496 / 520	523 / 545	533 / 555	533 / 555

[1] Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

[2] Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

Note: Always check the S&R plate for electrical data on the unit being installed.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	889	MBh	22.7	23.5	25.8	-	22.2	23.0	25.2	-	21.7	22.4	24.6	-	21.1	21.9	24.0	-	20.1	20.8	22.8	-	18.6	19.3	21.1	-
		S/T	0.81	0.68	0.47	-	0.84	0.70	0.48	-	0.86	0.72	0.50	-	0.89	0.74	0.51	-	0.92	0.77	0.53	-	0.93	0.77	0.54	-
		ΔT	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-
		kW	1.44	1.47	1.51	-	1.55	1.58	1.64	-	1.65	1.69	1.74	-	1.74	1.78	1.84	-	1.81	1.86	1.92	-	1.88	1.92	1.99	-
		Amps	6.6	6.8	6.9	-	7.1	7.2	7.4	-	7.6	7.7	8.0	-	8.0	8.2	8.4	-	8.5	8.7	8.9	-	8.9	9.1	9.4	-
		HI PR	236	254	269	-	265	286	302	-	302	325	343	-	344	370	391	-	387	416	439	-	427	460	485	-
		LO PR	113	120	131	-	119	127	138	-	124	132	144	-	130	138	151	-	136	145	158	-	141	150	164	-
	792	MBh	22.0	22.8	25.0	-	21.5	22.3	24.5	-	21.0	21.8	23.9	-	20.5	21.3	23.3	-	19.5	20.2	22.1	-	18.0	18.7	20.5	-
		S/T	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.88	0.73	0.51	-	0.88	0.74	0.51	-
		ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-
		kW	1.42	1.46	1.50	-	1.54	1.57	1.62	-	1.64	1.67	1.73	-	1.72	1.76	1.82	-	1.80	1.84	1.90	-	1.86	1.91	1.97	-
		Amps	6.6	6.7	6.9	-	7.0	7.2	7.4	-	7.5	7.7	7.9	-	8.0	8.1	8.4	-	8.4	8.6	8.8	-	8.8	9.0	9.3	-
		HI PR	234	252	266	-	263	283	299	-	299	322	340	-	340	366	387	-	383	412	435	-	423	455	481	-
		LO PR	111	119	129	-	118	125	137	-	122	130	142	-	129	137	149	-	135	143	157	-	139	148	162	-
	694	MBh	20.3	21.1	23.1	-	19.9	20.6	22.6	-	19.4	20.1	22.0	-	18.9	19.6	21.5	-	18.0	18.6	20.4	-	16.7	17.3	18.9	-
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-
		ΔT	20	17	13	-	20	18	13	-	20	18	13	-	20	18	13	-	20	17	13	-	19	16	12	-
		kW	1.39	1.42	1.47	-	1.50	1.53	1.58	-	1.60	1.63	1.69	-	1.68	1.72	1.78	-	1.75	1.79	1.85	-	1.82	1.86	1.92	-
		Amps	6.4	6.6	6.7	-	6.9	7.0	7.2	-	7.4	7.5	7.7	-	7.8	7.9	8.2	-	8.2	8.4	8.6	-	8.6	8.8	9.1	-
		HI PR	227	244	258	-	255	274	290	-	290	312	329	-	330	355	375	-	371	400	422	-	410	442	466	-
		LO PR	108	115	126	-	114	122	133	-	119	126	138	-	125	133	145	-	131	139	152	-	135	144	157	-
75	889	MBh	23.1	23.8	25.7	27.6	22.6	23.2	25.1	27.0	22.0	22.7	24.5	26.3	21.5	**22.1**	23.9	25.7	20.4	21.0	22.7	24.4	18.9	19.5	21.1	22.6
		S/T	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.98	0.87	0.66	0.43	1.00	**0.90**	0.68	0.44	1.00	0.94	0.71	0.46	1.00	0.94	0.71	0.46
		ΔT	22	20	17	11	22	20	17	12	22	20	17	12	22	**21**	17	12	21	20	17	12	20	19	16	11
		kW	1.45	1.48	1.53	1.58	1.56	1.60	1.65	1.71	1.66	1.70	1.76	1.82	1.75	**1.79**	1.85	1.92	1.83	1.87	1.94	2.00	1.90	1.94	2.01	2.08
		Amps	6.7	6.8	7.0	7.2	7.1	7.3	7.5	7.7	7.7	7.8	8.0	8.3	8.1	**8.3**	8.5	8.8	8.5	8.7	9.0	9.3	9.0	9.2	9.5	9.8
		HI PR	239	257	271	283	268	288	305	318	305	328	346	361	347	**374**	395	412	391	420	444	463	432	464	490	512
		LO PR	114	121	132	141	120	128	140	149	125	133	145	154	131	**140**	152	162	138	146	160	170	142	151	165	176
	792	MBh	22.4	23.1	25.0	26.8	21.9	22.5	24.4	26.2	21.4	22.0	23.8	25.6	20.9	**21.5**	23.2	24.9	19.8	20.4	22.1	23.7	18.4	18.9	20.5	22.0
		S/T	0.88	0.78	0.59	0.38	0.91	0.81	0.61	0.40	0.93	0.83	0.63	0.41	0.96	**0.86**	0.65	0.42	1.00	0.89	0.68	0.43	1.00	0.90	0.68	0.44
		ΔT	23	21	17	12	23	21	17	12	23	21	17	12	23	**21**	18	12	23	21	17	12	21	20	16	11
		kW	1.44	1.47	1.52	1.57	1.55	1.58	1.64	1.69	1.65	1.69	1.74	1.80	1.74	**1.78**	1.84	1.90	1.82	1.86	1.92	1.99	1.88	1.92	1.99	2.06
		Amps	6.6	6.8	6.9	7.2	7.1	7.2	7.4	7.7	7.6	7.7	8.0	8.2	8.0	**8.2**	8.4	8.7	8.5	8.7	8.9	9.2	8.9	9.1	9.4	9.7
		HI PR	237	255	269	280	265	286	302	315	302	325	343	358	344	**370**	391	407	387	416	439	458	427	460	486	506
		LO PR	113	120	131	139	119	127	138	147	124	132	144	153	130	**138**	151	161	136	145	158	168	141	150	164	174
	694	MBh	20.7	21.3	23.1	24.8	20.2	20.8	22.5	24.2	19.7	20.3	22.0	23.6	19.2	**19.8**	21.5	23.0	18.3	18.8	20.4	21.9	16.9	17.4	18.9	20.3
		S/T	0.84	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	**0.83**	0.63	0.40	0.96	0.86	0.65	0.42	0.97	0.87	0.66	0.42
		ΔT	23	21	17	12	23	22	18	12	23	22	18	12	24	**22**	18	12	23	21	18	12	22	20	16	11
		kW	1.40	1.43	1.48	1.53	1.51	1.54	1.60	1.65	1.61	1.65	1.70	1.76	1.70	**1.73**	1.79	1.85	1.77	1.81	1.87	1.93	1.83	1.87	1.94	2.00
		Amps	6.5	6.6	6.8	7.0	6.9	7.1	7.3	7.5	7.4	7.6	7.8	8.0	7.8	**8.0**	8.2	8.5	8.3	8.5	8.7	9.0	8.7	8.9	9.1	9.5
		HI PR	229	247	261	272	257	277	293	305	293	315	333	347	333	**359**	379	395	375	404	426	445	414	446	471	491
		LO PR	109	116	127	135	115	123	134	143	120	128	139	148	126	**134**	146	156	132	140	153	163	137	145	159	169

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Expanded Cooling Data — APU1424***M41A* (cont.)

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	889	MBh	23.5	24.0	25.7	27.4	23.0	23.5	25.1	26.8	22.4	22.9	24.5	26.2	21.9	22.3	23.9	25.5	20.8	21.2	22.7	24.2	19.2	19.7	21.0	22.5
		S/T	1.00	0.95	0.77	0.57	1.00	1.00	0.80	0.60	1.00	1.00	0.82	0.61	1.00	1.00	0.84	0.63	1.00	1.00	0.88	0.65	1.00	1.00	0.88	0.66
		ΔT	24	23	20	16	24	24	21	17	23	24	21	17	23	23	21	17	21	22	21	16	20	20	19	15
		kW	1.46	1.49	1.54	1.59	1.58	1.61	1.66	1.72	1.68	1.72	1.77	1.83	1.77	1.81	1.87	1.94	1.85	1.89	1.95	2.02	1.91	1.96	2.02	2.09
		Amps	6.7	6.9	7.1	7.3	7.2	7.3	7.5	7.8	7.7	7.9	8.1	8.4	8.2	8.3	8.6	8.9	8.6	8.8	9.1	9.4	9.1	9.3	9.5	9.9
		HI PR	241	260	274	286	271	291	308	321	308	331	350	365	351	377	399	416	395	425	448	468	436	469	495	517
		LO PR	115	122	133	142	121	129	141	150	126	134	147	156	133	141	154	164	139	148	161	172	144	153	167	178
	792	MBh	22.8	23.3	24.9	26.6	22.3	22.8	24.3	26.0	21.8	22.2	23.8	25.4	21.2	21.7	**23.2**	24.8	20.2	20.6	22.0	23.5	18.7	19.1	20.4	21.8
		S/T	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.78	0.58	1.00	0.99	**0.80**	0.60	1.00	1.00	0.84	0.62	1.00	1.00	0.84	0.63
		ΔT	25	24	21	17	26	25	21	17	25	25	22	17	25	25	**22**	17	23	24	21	17	22	22	20	16
		kW	1.45	1.48	1.53	1.58	1.56	1.60	1.65	1.71	1.66	1.70	1.76	1.82	1.75	1.79	**1.86**	1.92	1.83	1.87	1.94	2.00	1.90	1.94	2.01	2.08
		Amps	6.7	6.8	7.0	7.2	7.1	7.3	7.5	7.7	7.7	7.8	8.0	8.3	8.1	8.3	**8.5**	8.8	8.5	8.7	9.0	9.3	9.0	9.2	9.5	9.8
		HI PR	239	257	271	283	268	288	305	318	305	328	346	361	347	374	**395**	412	391	420	444	463	432	464	490	512
		LO PR	114	121	132	141	120	128	140	149	125	133	145	155	131	140	**152**	162	138	146	160	170	142	151	165	176
	694	MBh	21.1	21.5	23.0	24.6	20.6	21.0	22.5	24.0	20.1	20.5	21.9	23.4	19.6	20.0	21.4	22.9	18.6	19.0	20.3	21.7	17.2	17.6	18.8	20.1
		S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.98	0.92	0.75	0.56	1.02	0.95	0.78	0.58	1.05	0.99	0.81	0.60	1.06	1.00	0.81	0.61
		ΔT	26	25	22	17	26	25	22	17	26	25	22	17	26	25	22	18	26	25	22	17	24	23	20	16
		kW	1.41	1.44	1.49	1.54	1.52	1.56	1.61	1.66	1.62	1.66	1.71	1.77	1.71	1.75	1.81	1.87	1.78	1.82	1.89	1.95	1.85	1.89	1.95	2.02
		Amps	6.5	6.7	6.8	7.1	7.0	7.1	7.3	7.5	7.5	7.6	7.8	8.1	7.9	8.1	8.3	8.6	8.3	8.5	8.8	9.1	8.8	9.0	9.2	9.5
		HI PR	232	249	263	275	260	280	295	308	296	318	336	351	337	362	383	399	379	408	431	449	419	451	476	496
		LO PR	110	117	128	136	117	124	135	144	121	129	141	150	127	135	148	157	133	142	155	165	138	147	160	171
85	889	MBh	23.9	24.4	25.5	27.2	23.4	23.8	24.9	26.6	22.8	23.2	24.3	26.0	22.2	22.7	23.7	25.3	21.1	21.5	22.6	24.1	19.6	20.0	20.9	22.3
		S/T	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.98	0.79	1.00	1.00	1.00	0.82	1.00	1.00	1.00	0.85	1.00	1.00	1.00	0.86
		ΔT	25	25	24	21	24	25	25	21	24	24	25	21	23	23	25	21	22	22	23	21	20	21	22	20
		kW	1.47	1.50	1.55	1.61	1.59	1.62	1.68	1.74	1.69	1.73	1.79	1.85	1.78	1.83	1.89	1.95	1.86	1.91	1.97	2.04	1.93	1.97	2.04	2.11
		Amps	6.8	6.9	7.1	7.3	7.2	7.4	7.6	7.8	7.8	7.9	8.2	8.4	8.2	8.4	8.6	8.9	8.7	8.9	9.1	9.4	9.1	9.3	9.6	9.9
		HI PR	244	262	277	289	273	294	311	324	311	335	353	369	354	381	403	420	399	429	453	472	440	474	500	522
		LO PR	116	123	135	144	123	130	142	152	127	136	148	158	134	142	155	166	140	149	163	174	145	154	169	179
	792	MBh	23.2	23.7	24.8	26.4	22.7	23.1	24.2	25.8	22.1	22.6	23.6	25.2	21.6	22.0	23.1	24.6	20.5	20.9	21.9	23.4	19.0	19.4	20.3	21.6
		S/T	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.93	0.76	1.00	1.00	0.96	0.78	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.82
		ΔT	27	27	25	22	26	27	26	22	26	26	26	22	25	26	26	22	24	24	25	22	22	23	24	21
		kW	1.46	1.49	1.54	1.59	1.58	1.61	1.66	1.72	1.68	1.72	1.77	1.83	1.77	1.81	1.87	1.94	1.85	1.89	1.95	2.02	1.91	1.96	2.02	2.09
		Amps	6.7	6.9	7.1	7.3	7.2	7.3	7.5	7.8	7.7	7.9	8.1	8.4	8.2	8.3	8.6	8.9	8.6	8.8	9.1	9.4	9.1	9.3	9.5	9.9
		HI PR	241	260	274	286	271	291	308	321	308	331	350	365	351	377	399	416	395	425	448	468	436	469	495	517
		LO PR	115	122	133	142	121	129	141	150	126	134	147	156	133	141	154	164	139	148	161	172	144	153	167	178
	694	MBh	21.4	21.8	22.9	24.4	20.9	21.3	22.3	23.8	20.4	20.8	21.8	23.3	19.9	20.3	21.3	22.7	18.9	19.3	20.2	21.6	17.5	17.9	18.7	20.0
		S/T	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79
		ΔT	28	27	26	22	28	27	26	22	27	27	26	22	26	27	26	23	25	26	26	22	23	24	24	21
		kW	1.42	1.45	1.50	1.55	1.54	1.57	1.62	1.68	1.64	1.67	1.73	1.79	1.72	1.76	1.82	1.89	1.80	1.84	1.90	1.97	1.86	1.91	1.97	2.04
		Amps	6.6	6.7	6.9	7.1	7.0	7.2	7.4	7.6	7.5	7.7	7.9	8.2	8.0	8.1	8.4	8.6	8.4	8.6	8.8	9.1	8.8	9.0	9.3	9.6
		HI PR	234	252	266	277	263	283	298	311	299	321	339	354	340	366	387	403	383	412	435	454	423	455	481	501
		LO PR	111	119	129	138	118	125	137	146	122	130	142	151	129	137	149	159	135	143	156	167	139	148	162	172

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1164	MBh	29.7	30.8	33.7	-	29.0	30.1	32.9	-	28.3	29.4	32.2	-	27.6	28.6	31.4	-	26.3	27.2	29.8	-	24.3	25.2	27.6	-
		S/T	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.85	0.71	0.49	-	0.88	0.73	0.51	-	0.91	0.76	0.53	-	0.92	0.77	0.53	-
		ΔT	19	16	12	-	19	16	12	-	19	16	13	-	19	17	13	-	19	16	12	-	18	15	12	-
		kW	1.98	2.03	2.09	-	2.13	2.18	2.25	-	2.26	2.31	2.39	-	2.38	2.43	2.51	-	2.48	2.53	2.61	-	2.56	2.62	2.71	-
		Amps	8.2	8.4	8.6	-	8.8	9.0	9.2	-	9.5	9.7	9.9	-	10.0	10.2	10.6	-	10.6	10.8	11.2	-	11.2	11.4	11.8	-
		HI PR	245	263	278	-	275	295	312	-	312	336	355	-	356	383	404	-	400	431	455	-	442	476	502	-
		LO PR	111	118	129	-	117	124	136	-	122	129	141	-	128	136	148	-	134	142	155	-	138	147	161	-
	1037	MBh	28.8	29.9	32.8	-	28.2	29.2	32.0	-	27.5	28.5	31.2	-	26.8	27.8	30.5	-	25.5	26.4	28.9	-	23.6	24.5	26.8	-
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.48	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
		ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
		kW	1.97	2.01	2.07	-	2.12	2.16	2.23	-	2.25	2.29	2.37	-	2.36	2.41	2.49	-	2.46	2.51	2.59	-	2.54	2.60	2.68	-
		Amps	8.2	8.3	8.6	-	8.7	8.9	9.2	-	9.4	9.6	9.9	-	9.9	10.2	10.5	-	10.5	10.7	11.1	-	11.1	11.3	11.7	-
		HI PR	242	261	275	-	272	293	309	-	309	333	351	-	352	379	400	-	396	426	450	-	438	471	497	-
		LO PR	110	117	127	-	116	123	135	-	120	128	140	-	126	135	147	-	133	141	154	-	137	146	159	-
	910	MBh	26.6	27.6	30.2	-	26.0	26.9	29.5	-	25.4	26.3	28.8	-	24.8	25.7	28.1	-	23.5	24.4	26.7	-	21.8	22.6	24.7	-
		S/T	0.74	0.61	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.84	0.70	0.48	-	0.85	0.71	0.49	-
		ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-
		kW	1.92	1.96	2.02	-	2.07	2.11	2.17	-	2.19	2.24	2.31	-	2.30	2.35	2.43	-	2.40	2.45	2.53	-	2.48	2.53	2.62	-
		Amps	8.0	8.1	8.4	-	8.5	8.7	8.9	-	9.2	9.3	9.6	-	9.7	9.9	10.2	-	10.3	10.5	10.8	-	10.8	11.0	11.4	-
		HI PR	235	253	267	-	264	284	300	-	300	323	341	-	342	368	388	-	384	414	437	-	425	457	482	-
		LO PR	106	113	124	-	112	120	130	-	117	124	136	-	123	130	142	-	129	137	149	-	133	141	154	-
75	1164	MBh	30.2	31.1	33.7	36.1	29.5	30.4	32.9	35.3	28.8	29.7	32.1	34.5	28.1	**28.9**	31.3	33.6	26.7	27.5	29.8	31.9	24.7	25.5	27.6	29.6
		S/T	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.87	0.65	0.42	1.00	**0.89**	0.68	0.43	1.00	0.93	0.70	0.45	1.00	0.93	0.71	0.46
		ΔT	22	20	16	11	22	20	17	11	22	20	17	11	22	**20**	17	12	21	20	16	11	20	19	15	11
		kW	2.00	2.04	2.10	2.17	2.15	2.20	2.26	2.34	2.28	2.33	2.41	2.48	2.40	**2.45**	2.53	2.61	2.50	2.55	2.64	2.72	2.58	2.64	2.73	2.82
		Amps	8.3	8.5	8.7	9.0	8.9	9.0	9.3	9.6	9.5	9.7	10.0	10.4	10.1	**10.3**	10.6	11.0	10.7	10.9	11.3	11.6	11.3	11.5	11.9	12.3
		HI PR	247	266	281	293	277	298	315	329	315	339	358	374	359	**387**	408	426	404	435	459	479	447	481	507	529
		LO PR	112	119	130	138	118	126	137	146	123	131	143	152	129	**137**	150	160	135	144	157	167	140	149	162	173
	1037	MBh	29.3	30.2	32.7	35.1	28.6	29.5	31.9	34.3	28.0	28.8	31.2	33.4	27.3	**28.1**	30.4	32.6	25.9	26.7	28.9	31.0	24.0	24.7	26.8	28.7
		S/T	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.83	0.62	0.40	0.95	**0.85**	0.64	0.41	0.99	0.88	0.67	0.43	1.00	0.89	0.67	0.43
		ΔT	23	21	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	23	21	17	12	21	20	16	11
		kW	1.98	2.03	2.09	2.15	2.13	2.18	2.25	2.32	2.26	2.31	2.39	2.46	2.38	**2.43**	2.51	2.59	2.48	2.53	2.62	2.70	2.56	2.62	2.71	2.80
		Amps	8.2	8.4	8.6	8.9	8.8	9.0	9.2	9.5	9.5	9.7	9.9	10.3	10.0	**10.2**	10.6	10.9	10.6	10.8	11.2	11.5	11.2	11.4	11.8	12.2
		HI PR	245	263	278	290	275	296	312	325	312	336	355	370	356	**383**	404	422	400	431	455	474	442	476	502	524
		LO PR	111	118	129	137	117	124	136	145	122	129	141	150	128	**136**	148	158	134	142	155	166	138	147	161	171
	910	MBh	27.1	27.9	30.2	32.4	26.4	27.2	29.5	31.6	25.8	26.6	28.8	30.9	25.2	**25.9**	28.1	30.1	23.9	24.6	26.7	28.6	22.2	22.8	24.7	26.5
		S/T	0.84	0.75	0.57	0.36	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	**0.82**	0.62	0.40	0.95	0.85	0.65	0.41	0.96	0.86	0.65	0.42
		ΔT	23	21	17	12	23	21	17	12	23	21	18	12	23	**22**	18	12	23	21	17	12	22	20	16	11
		kW	1.94	1.98	2.04	2.10	2.08	2.13	2.19	2.26	2.21	2.26	2.33	2.40	2.32	**2.37**	2.45	2.53	2.42	2.47	2.55	2.63	2.50	2.56	2.64	2.73
		Amps	8.0	8.2	8.4	8.7	8.6	8.8	9.0	9.3	9.2	9.4	9.7	10.0	9.8	**10.0**	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.1	11.5	11.9
		HI PR	237	255	270	281	266	287	303	316	303	326	344	359	345	**371**	392	409	388	418	441	460	429	462	487	508
		LO PR	107	114	125	133	113	121	132	140	118	125	137	146	124	**132**	144	153	130	138	151	161	134	143	156	166

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Expanded Cooling Data — APU1430***M41A* (cont.)

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1164	MBh	30.7	31.4	33.6	35.9	30.0	30.7	32.8	35.0	29.3	30.0	32.0	34.2	28.6	29.2	31.2	33.4	27.2	27.8	29.7	31.7	25.2	25.7	27.5	29.4
		S/T	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.81	0.61	1.00	1.00	0.84	0.62	1.00	1.00	0.87	0.65	1.00	1.00	0.87	0.65
		ΔT	24	23	20	16	24	24	20	16	23	24	20	16	23	23	21	16	21	22	20	16	20	20	19	15
		kW	2.02	2.06	2.12	2.19	2.17	2.21	2.28	2.36	2.30	2.35	2.43	2.50	2.42	2.47	2.55	2.64	2.52	2.58	2.66	2.75	2.61	2.66	2.75	2.84
		Amps	8.3	8.5	8.8	9.0	8.9	9.1	9.4	9.7	9.6	9.8	10.1	10.4	10.2	10.4	10.7	11.1	10.8	11.0	11.4	11.7	11.4	11.6	12.0	12.4
		HI PR	250	269	284	296	280	301	318	332	319	343	362	378	363	391	412	430	408	439	464	484	451	485	513	535
		LO PR	113	120	131	140	119	127	139	148	124	132	144	153	130	139	151	161	137	145	159	169	141	150	164	175
	1037	MBh	29.9	30.5	32.6	34.8	29.2	29.8	31.8	34.0	28.5	29.1	31.1	33.2	27.8	28.4	**30.3**	32.4	26.4	27.0	28.8	30.8	24.4	25.0	26.7	28.5
		S/T	0.95	0.89	0.73	0.54	0.99	0.93	0.75	0.56	1.00	0.95	0.77	0.58	1.00	0.98	**0.80**	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62
		ΔT	25	24	21	17	26	24	21	17	25	24	21	17	25	25	**21**	17	23	24	21	17	22	22	20	16
		kW	2.00	2.04	2.10	2.17	2.15	2.20	2.26	2.34	2.28	2.33	2.41	2.48	2.40	2.45	**2.53**	2.61	2.50	2.55	2.64	2.72	2.59	2.64	2.73	2.82
		Amps	8.3	8.5	8.7	9.0	8.9	9.0	9.3	9.6	9.5	9.7	10.0	10.4	10.1	10.3	**10.6**	11.0	10.7	10.9	11.3	11.6	11.3	11.5	11.9	12.3
		HI PR	247	266	281	293	277	299	315	329	315	339	358	374	359	387	**408**	426	404	435	459	479	447	481	508	529
		LO PR	112	119	130	138	118	126	137	146	123	131	143	152	129	137	**150**	160	135	144	157	167	140	149	162	173
	910	MBh	27.6	28.2	30.1	32.2	26.9	27.5	29.4	31.4	26.3	26.8	28.7	30.7	25.6	26.2	28.0	29.9	24.3	24.9	26.6	28.4	22.6	23.0	24.6	26.3
		S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.98	0.91	0.74	0.56	1.01	0.94	0.77	0.57	1.05	0.98	0.80	0.60	1.05	0.99	0.80	0.60
		ΔT	26	24	21	17	26	25	22	17	26	25	22	17	26	25	22	17	26	25	21	17	24	23	20	16
		kW	1.95	1.99	2.05	2.12	2.10	2.14	2.21	2.28	2.23	2.28	2.35	2.42	2.34	2.39	2.47	2.55	2.44	2.49	2.57	2.66	2.52	2.58	2.66	2.75
		Amps	8.1	8.3	8.5	8.8	8.7	8.8	9.1	9.4	9.3	9.5	9.8	10.1	9.9	10.1	10.4	10.7	10.4	10.7	11.0	11.3	11.0	11.2	11.6	12.0
		HI PR	240	258	272	284	269	290	306	319	306	329	348	363	349	375	396	413	392	422	446	465	433	466	492	513
		LO PR	109	115	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168
85	1164	MBh	31.3	31.9	33.4	35.6	30.6	31.1	32.6	34.8	29.8	30.4	31.8	34.0	29.1	29.7	31.1	33.1	27.6	28.2	29.5	31.5	25.6	26.1	27.3	29.2
		S/T	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.97	0.79	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.84	1.00	1.00	1.00	0.85
		ΔT	25	25	24	21	24	25	24	21	24	24	24	21	23	23	25	21	22	22	23	21	20	21	22	20
		kW	2.03	2.07	2.14	2.21	2.18	2.23	2.30	2.38	2.32	2.37	2.45	2.53	2.44	2.49	2.57	2.66	2.54	2.60	2.68	2.77	2.63	2.69	2.77	2.87
		Amps	8.4	8.6	8.8	9.1	9.0	9.2	9.5	9.8	9.7	9.9	10.2	10.5	10.3	10.5	10.8	11.2	10.9	11.1	11.4	11.8	11.5	11.7	12.1	12.5
		HI PR	252	271	287	299	283	305	322	335	322	346	366	381	367	394	417	434	412	444	469	489	456	490	518	540
		LO PR	114	121	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	176
	1037	MBh	30.4	31.0	32.4	34.6	29.7	30.2	31.7	33.8	29.0	29.5	30.9	33.0	28.3	28.8	30.2	32.2	26.8	27.4	28.7	30.6	24.9	25.3	26.5	28.3
		S/T	1.00	0.96	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.81
		ΔT	27	26	25	22	26	27	25	22	26	26	25	22	25	26	25	22	24	24	25	22	22	22	23	20
		kW	2.02	2.06	2.12	2.19	2.17	2.21	2.28	2.36	2.30	2.35	2.43	2.50	2.42	2.47	2.55	2.64	2.52	2.58	2.66	2.75	2.61	2.66	2.75	2.84
		Amps	8.3	8.5	8.8	9.0	8.9	9.1	9.4	9.7	9.6	9.8	10.1	10.4	10.2	10.4	10.7	11.1	10.8	11.0	11.4	11.7	11.4	11.6	12.0	12.4
		HI PR	250	269	284	296	280	301	318	332	319	343	362	378	363	391	412	430	408	439	464	484	451	485	513	535
		LO PR	113	120	131	140	119	127	139	148	124	132	144	153	130	139	151	161	137	145	159	169	141	150	164	175
	910	MBh	28.0	28.6	29.9	31.9	27.4	27.9	29.2	31.2	26.7	27.2	28.5	30.4	26.1	26.6	27.8	29.7	24.8	25.3	26.4	28.2	22.9	23.4	24.5	26.1
		S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		ΔT	27	27	25	22	28	27	26	22	27	27	26	22	26	27	26	22	25	26	26	22	23	24	24	21
		kW	1.97	2.01	2.07	2.14	2.12	2.16	2.23	2.30	2.25	2.29	2.37	2.44	2.36	2.41	2.49	2.57	2.46	2.51	2.59	2.68	2.54	2.60	2.68	2.77
		Amps	8.2	8.3	8.6	8.8	8.7	8.9	9.2	9.5	9.4	9.6	9.9	10.2	9.9	10.2	10.5	10.8	10.5	10.7	11.1	11.4	11.1	11.3	11.7	12.1
		HI PR	242	261	275	287	272	292	309	322	309	333	351	366	352	379	400	417	396	426	450	469	438	471	497	519
		LO PR	110	117	127	136	116	123	134	143	120	128	140	149	126	134	147	156	132	141	154	164	137	146	159	169

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Expanded Cooling Data — APU1436***M41C*

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1050	MBh	34.8	35.3	36.3	-	34.5	35.0	36.0	-	33.6	34.1	35.1	-	32.0	32.5	33.5	-	30.1	30.6	31.6	-	28.4	28.8	29.9	-
		S/T	0.65	0.57	0.42	-	0.65	0.57	0.43	-	0.68	0.60	0.45	-	1.00	0.62	0.47	-	1.00	0.64	0.50	-	1.00	0.70	0.55	-
		ΔT	20	18	15	-	20	18	15	-	20	18	15	-	20	18	15	-	20	18	14	-	21	19	15	-
		kW	2.23	2.23	2.23	-	2.50	2.50	2.50	-	2.80	2.80	2.80	-	3.13	3.12	3.12	-	3.49	3.49	3.48	-	3.91	3.91	3.91	-
		Amps	8.9	8.9	8.9	-	10.1	10.1	10.1	-	11.5	11.5	11.5	-	13.0	13.0	12.9	-	14.6	14.6	14.6	-	16.6	16.6	16.6	-
		HI PR	267	268	270	-	309	310	312	-	353	354	356	-	400	401	403	-	451	453	454	-	506	507	509	-
		LO PR	127	129	132	-	135	137	140	-	142	143	147	-	148	149	152	-	153	155	158	-	160	162	165	-
	1200	MBh	35.3	35.7	36.8	-	34.9	35.4	36.5	-	34.0	34.5	35.6	-	32.5	33.0	34.0	-	30.6	31.0	32.1	-	28.8	29.3	30.3	-
		S/T	0.71	0.63	0.48	-	0.72	0.64	0.49	-	1.00	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.71	0.56	-	1.00	1.00	0.62	-
		ΔT	19	17	13	-	19	17	13	-	19	17	14	-	19	17	13	-	18	17	13	-	20	18	14	-
		kW	2.25	2.25	2.24	-	2.52	2.51	2.51	-	2.82	2.81	2.81	-	3.14	3.14	3.13	-	3.50	3.50	3.50	-	3.93	3.93	3.92	-
		Amps	8.9	8.9	8.9	-	10.2	10.2	10.1	-	11.6	11.5	11.5	-	13.0	13.0	13.0	-	14.7	14.7	14.7	-	16.6	16.6	16.6	-
		HI PR	269	270	272	-	311	312	314	-	355	356	358	-	402	404	406	-	454	455	457	-	508	509	511	-
		LO PR	129	131	134	-	137	138	142	-	144	145	148	-	149	151	154	-	155	157	160	-	162	164	167	-
	1350	MBh	35.8	36.3	37.3	-	35.5	36.0	37.0	-	34.6	35.1	36.1	-	33.0	33.5	34.5	-	31.1	31.6	32.6	-	29.4	29.9	30.9	-
		S/T	0.75	0.67	0.52	-	0.75	0.67	0.53	-	1.00	0.70	0.55	-	1.00	0.72	0.57	-	1.00	0.74	0.60	-	1.00	1.00	0.65	-
		ΔT	18	16	13	-	18	16	13	-	18	16	13	-	18	16	12	-	18	16	12	-	19	17	13	-
		kW	2.26	2.26	2.25	-	2.53	2.53	2.52	-	2.83	2.83	2.82	-	3.15	3.15	3.15	-	3.51	3.51	3.51	-	3.94	3.94	3.93	-
		Amps	9.0	9.0	9.0	-	10.2	10.2	10.2	-	11.6	11.6	11.6	-	13.1	13.1	13.1	-	14.8	14.7	14.7	-	16.7	16.7	16.7	-
		HI PR	271	272	274	-	313	314	316	-	357	358	360	-	405	406	408	-	456	457	459	-	510	512	513	-
		LO PR	131	133	136	-	139	141	144	-	146	147	151	-	151	153	156	-	157	159	162	-	164	166	169	-
75	1050	MBh	34.8	35.3	36.3	37.9	34.5	35.0	36.0	37.6	33.6	34.1	35.1	36.7	32.0	**32.5**	33.6	35.2	30.1	30.6	31.7	33.2	28.4	28.9	29.9	31.5
		S/T	0.78	0.70	0.56	0.41	1.00	0.71	0.56	0.41	1.00	0.74	0.59	0.44	1.00	**0.76**	0.61	0.46	1.00	1.00	0.64	0.48	1.00	1.00	0.69	0.54
		ΔT	24	22	19	15	24	22	19	15	24	22	19	15	24	**22**	19	15	24	22	18	15	25	23	19	16
		kW	2.23	2.23	2.22	2.25	2.50	2.50	2.49	2.51	2.80	2.80	2.79	2.81	3.12	**3.12**	3.12	3.14	3.49	3.49	3.48	3.50	3.91	3.91	3.91	3.93
		Amps	8.9	8.9	8.8	8.9	10.1	10.1	10.1	10.2	11.5	11.5	11.4	11.5	13.0	**13.0**	12.9	13.0	14.6	14.6	14.6	14.7	16.6	16.6	16.5	16.6
		HI PR	267	268	270	275	309	310	312	317	353	354	356	361	400	**402**	403	408	452	453	455	459	506	507	509	514
		LO PR	127	129	132	138	135	137	140	145	142	143	147	152	148	**149**	152	158	153	155	158	163	160	162	165	170
	1200	MBh	35.3	35.8	36.8	38.4	35.0	35.5	36.5	38.1	34.1	34.5	35.6	37.2	32.5	**33.0**	34.0	35.6	30.6	31.1	32.1	33.7	28.8	29.3	30.4	32.0
		S/T	0.85	0.77	0.62	0.47	1.00	0.77	0.63	0.48	1.00	0.80	0.66	0.50	1.00	**0.82**	0.68	0.52	1.00	1.00	0.70	0.55	1.00	1.00	0.75	0.60
		ΔT	23	21	18	14	23	21	17	14	23	21	18	14	23	**21**	17	14	22	21	17	14	24	22	18	15
		kW	2.25	2.24	2.24	2.26	2.51	2.51	2.51	2.53	2.81	2.81	2.81	2.83	3.14	**3.14**	3.13	3.15	3.50	3.50	3.49	3.52	3.93	3.92	3.92	3.94
		Amps	8.9	8.9	8.9	9.0	10.2	10.2	10.1	10.2	11.5	11.5	11.5	11.6	13.0	**13.0**	13.0	13.1	14.7	14.7	14.7	14.8	16.6	16.6	16.6	16.7
		HI PR	269	270	272	277	311	312	314	319	355	356	358	363	403	**404**	406	410	454	455	457	462	509	510	512	516
		LO PR	129	131	134	139	137	138	142	147	144	145	149	154	149	**151**	154	160	155	157	160	165	162	164	167	172
	1350	MBh	35.8	36.3	37.4	38.9	35.5	36.0	37.0	38.6	34.6	35.1	36.1	37.7	33.0	**33.5**	34.6	36.2	31.1	31.6	32.7	34.2	29.4	29.9	30.9	32.5
		S/T	0.88	0.80	0.66	0.51	1.00	0.81	0.67	0.51	1.00	0.84	0.69	0.54	1.00	**0.86**	0.71	0.56	1.00	1.00	0.74	0.58	1.00	1.00	0.79	0.64
		ΔT	22	20	17	13	22	20	17	13	22	20	17	13	22	**20**	17	13	22	20	16	13	23	21	17	14
		kW	2.26	2.25	2.25	2.27	2.53	2.52	2.52	2.54	2.83	2.82	2.82	2.84	3.15	**3.15**	3.14	3.16	3.51	3.51	3.51	3.53	3.94	3.94	3.93	3.95
		Amps	9.0	9.0	9.0	9.1	10.2	10.2	10.2	10.3	11.6	11.6	11.6	11.7	13.1	**13.1**	13.1	13.1	14.7	14.7	14.7	14.8	16.7	16.7	16.7	16.8
		HI PR	271	272	274	279	313	315	316	321	357	359	360	365	405	**406**	408	413	456	457	459	464	511	512	514	518
		LO PR	131	133	136	141	139	141	144	149	146	147	151	156	151	**153**	156	162	157	159	162	167	164	166	169	174

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Expanded Cooling Data — APU1436***M41C* (cont.)

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1050	MBh	35.0	35.5	36.5	38.1	34.7	35.2	36.2	37.8	33.8	34.3	35.3	36.9	32.2	32.7	33.7	35.3	30.3	30.8	31.8	33.4	28.6	29.0	30.1	31.7
		S/T	1.00	0.84	0.69	0.54	1.00	0.84	0.70	0.55	1.00	0.87	0.73	0.57	1.00	1.00	0.75	0.59	1.00	1.00	0.77	0.62	1.00	1.00	0.82	0.67
		ΔT	28	26	23	19	28	26	23	19	28	26	23	19	28	26	23	19	28	26	22	19	29	27	24	20
		kW	2.23	2.23	2.23	2.25	2.50	2.50	2.49	2.52	2.80	2.80	2.79	2.82	3.13	3.12	3.12	3.14	3.49	3.49	3.48	3.50	3.91	3.91	3.91	3.93
		Amps	8.9	8.9	8.9	8.9	10.1	10.1	10.1	10.2	11.5	11.5	11.5	11.6	13.0	13.0	12.9	13.0	14.6	14.6	14.6	14.7	16.6	16.6	16.5	16.6
		HI PR	267	269	270	275	309	311	312	317	353	355	357	361	401	402	404	409	452	453	455	460	507	508	510	514
		LO PR	128	129	133	138	136	137	140	146	142	144	147	153	148	150	153	158	154	155	159	164	161	162	166	171
	1200	MBh	35.5	35.9	37.0	38.6	35.1	35.6	36.7	38.3	34.2	34.7	35.8	37.4	32.7	33.2	**34.2**	35.8	30.8	31.2	32.3	33.9	29.0	29.5	30.5	32.1
		S/T	1.00	0.90	0.76	0.60	1.00	0.91	0.76	0.61	1.00	1.00	0.79	0.64	1.00	1.00	**0.81**	0.66	1.00	1.00	0.83	0.68	1.00	1.00	1.00	0.74
		ΔT	27	25	22	18	27	25	22	18	27	25	22	18	27	25	**22**	18	27	25	21	18	28	26	22	19
		kW	2.25	2.24	2.24	2.26	2.52	2.51	2.51	2.53	2.82	2.81	2.81	2.83	3.14	3.14	**3.13**	3.15	3.50	3.50	3.50	3.52	3.93	3.93	3.92	3.94
		Amps	8.9	8.9	8.9	9.0	10.2	10.2	10.1	10.2	11.6	11.5	11.5	11.6	13.0	13.0	**13.0**	13.1	14.7	14.7	14.7	14.8	16.6	16.6	16.6	16.7
		HI PR	270	271	273	277	312	313	315	319	356	357	359	363	403	404	**406**	411	454	456	457	462	509	510	512	517
		LO PR	130	131	135	140	137	139	142	148	144	146	149	154	150	152	**155**	160	156	157	160	166	163	164	167	173
	1350	MBh	36.0	36.5	37.5	39.1	35.7	36.2	37.2	38.8	34.8	35.3	36.3	37.9	33.2	33.7	34.7	36.3	31.3	31.8	32.8	34.4	29.6	30.1	31.1	32.7
		S/T	1.00	0.94	0.79	0.64	1.00	0.94	0.80	0.65	1.00	1.00	0.83	0.67	1.00	1.00	0.85	0.69	1.00	1.00	0.87	0.72	1.00	1.00	1.00	0.77
		ΔT	26	24	21	17	26	24	21	17	26	24	21	17	26	24	21	17	26	24	20	17	27	25	22	18
		kW	2.26	2.26	2.25	2.27	2.53	2.53	2.52	2.54	2.83	2.83	2.82	2.84	3.15	3.15	3.15	3.17	3.51	3.51	3.51	3.53	3.94	3.94	3.93	3.95
		Amps	9.0	9.0	9.0	9.1	10.2	10.2	10.2	10.3	11.6	11.6	11.6	11.7	13.1	13.1	13.1	13.2	14.7	14.7	14.7	14.8	16.7	16.7	16.7	16.8
		HI PR	272	273	275	279	314	315	317	322	358	359	361	366	405	407	408	413	457	458	460	464	511	512	514	519
		LO PR	132	133	137	142	140	141	144	150	146	148	151	157	152	154	157	162	158	159	162	168	165	166	170	175
85	1050	MBh	35.6	36.1	37.1	38.7	35.3	35.8	36.8	38.4	34.4	34.9	35.9	37.5	32.8	33.3	34.3	35.9	30.9	31.4	32.4	34.0	29.1	29.6	30.7	32.3
		S/T	1.00	0.94	0.80	0.65	1.00	1.00	0.81	0.65	1.00	1.00	0.83	0.68	1.00	1.00	0.85	0.70	1.00	1.00	1.00	0.73	1.00	1.00	1.00	0.78
		ΔT	32	30	26	23	32	30	26	23	32	30	27	23	32	30	26	23	31	29	26	22	32	31	27	24
		kW	2.24	2.24	2.23	2.25	2.51	2.50	2.50	2.52	2.81	2.80	2.80	2.82	3.13	3.13	3.12	3.15	3.49	3.49	3.49	3.51	3.92	3.92	3.91	3.93
		Amps	8.9	8.9	8.9	9.0	10.1	10.1	10.1	10.2	11.5	11.5	11.5	11.6	13.0	13.0	13.0	13.1	14.7	14.6	14.6	14.7	16.6	16.6	16.6	16.7
		HI PR	269	270	272	276	311	312	314	318	355	356	358	362	402	403	405	410	453	455	456	461	508	509	511	516
		LO PR	130	131	135	140	138	139	142	148	144	146	149	155	150	152	155	160	156	157	160	166	163	164	168	173
	1200	MBh	36.0	36.5	37.6	39.2	35.7	36.2	37.3	38.8	34.8	35.3	36.3	37.9	33.3	33.7	34.8	36.4	31.3	31.8	32.9	34.5	29.6	30.1	31.1	32.7
		S/T	1.00	1.00	0.86	0.71	1.00	1.00	0.87	0.72	1.00	1.00	0.90	0.75	1.00	1.00	0.92	0.77	1.00	1.00	1.00	0.79	1.00	1.00	1.00	0.84
		ΔT	30	29	25	22	30	29	25	22	31	29	25	22	30	29	25	22	30	28	25	21	31	29	26	22
		kW	2.25	2.25	2.25	2.27	2.52	2.52	2.51	2.53	2.82	2.82	2.81	2.83	3.15	3.14	3.14	3.16	3.51	3.51	3.50	3.52	3.93	3.93	3.93	3.95
		Amps	9.0	9.0	8.9	9.0	10.2	10.2	10.2	10.3	11.6	11.6	11.5	11.6	13.1	13.0	13.0	13.1	14.7	14.7	14.7	14.8	16.7	16.7	16.6	16.7
		HI PR	271	272	274	279	313	314	316	321	357	358	360	365	404	406	408	412	456	457	459	463	510	511	513	518
		LO PR	132	133	136	142	139	141	144	150	146	148	151	156	152	153	157	162	158	159	162	168	165	166	169	175
	1350	MBh	36.6	37.1	38.1	39.7	36.3	36.8	37.8	39.4	35.4	35.9	36.9	38.5	33.8	34.3	35.3	36.9	31.9	32.4	33.4	35.0	30.1	30.6	31.7	33.3
		S/T	1.00	1.00	0.90	0.75	1.00	1.00	0.91	0.75	1.00	1.00	0.93	0.78	1.00	1.00	1.00	0.80	1.00	1.00	1.00	0.83	1.00	1.00	1.00	0.88
		ΔT	30	28	24	21	29	28	24	21	30	28	24	21	29	28	24	21	29	27	24	20	30	29	25	22
		kW	2.26	2.26	2.26	2.28	2.53	2.53	2.53	2.55	2.83	2.83	2.83	2.85	3.16	3.15	3.15	3.17	3.52	3.52	3.51	3.53	3.95	3.94	3.94	3.96
		Amps	9.0	9.0	9.0	9.1	10.3	10.2	10.2	10.3	11.6	11.6	11.6	11.7	13.1	13.1	13.1	13.2	14.8	14.8	14.7	14.8	16.7	16.7	16.7	16.8
		HI PR	273	274	276	281	315	316	318	323	359	360	362	367	407	408	410	414	458	459	461	466	512	514	515	520
		LO PR	134	135	139	144	141	143	146	152	148	150	153	158	154	156	159	164	160	161	164	170	167	168	171	177

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Expanded Cooling Data — APU1442***M41C*

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1300	MBh	41.2	41.8	43.0	-	40.9	41.4	42.7	-	39.8	40.4	41.6	-	38.0	38.5	39.8	-	35.7	36.3	37.5	-	33.7	34.3	35.5	-
		S/T	0.69	0.61	0.47	-	0.69	0.62	0.48	-	0.72	0.64	0.50	-	1.00	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.74	0.60	-
		ΔT	19	18	14	-	19	17	14	-	20	18	14	-	19	17	14	-	19	17	14	-	20	18	15	-
		kW	2.61	2.61	2.60	-	2.93	2.93	2.92	-	3.29	3.29	3.28	-	3.67	3.67	3.67	-	4.10	4.10	4.10	-	4.61	4.61	4.60	-
		Amps	10.3	10.3	10.2	-	11.7	11.7	11.7	-	13.4	13.3	13.3	-	15.1	15.1	15.1	-	17.1	17.1	17.1	-	19.4	19.4	19.4	-
		HI PR	274	275	277	-	317	318	320	-	362	363	365	-	410	411	413	-	462	463	465	-	518	519	521	-
		LO PR	126	128	131	-	134	135	139	-	141	142	145	-	146	148	151	-	152	153	156	-	159	160	163	-
	1400	MBh	41.6	42.2	43.4	-	41.2	41.8	43.0	-	40.2	40.8	42.0	-	38.4	38.9	40.1	-	36.1	36.7	37.9	-	34.1	34.7	35.9	-
		S/T	0.71	0.63	0.49	-	0.72	0.64	0.50	-	0.75	0.67	0.53	-	1.00	0.69	0.55	-	1.00	0.71	0.57	-	1.00	0.76	0.62	-
		ΔT	19	17	13	-	19	17	13	-	19	17	14	-	19	17	13	-	18	17	13	-	20	18	14	-
		kW	2.62	2.62	2.61	-	2.94	2.94	2.93	-	3.30	3.29	3.29	-	3.68	3.68	3.67	-	4.11	4.11	4.11	-	4.62	4.62	4.61	-
		Amps	10.3	10.3	10.3	-	11.8	11.8	11.7	-	13.4	13.4	13.4	-	15.2	15.2	15.1	-	17.1	17.1	17.1	-	19.4	19.4	19.4	-
		HI PR	275	277	278	-	318	319	321	-	363	364	366	-	411	413	415	-	464	465	467	-	519	520	522	-
		LO PR	128	129	132	-	135	137	140	-	142	143	147	-	147	149	152	-	153	154	158	-	160	161	165	-
	1575	MBh	42.4	43.0	44.2	-	42.0	42.6	43.8	-	41.0	41.5	42.8	-	39.1	39.7	40.9	-	36.9	37.5	38.7	-	34.9	35.4	36.7	-
		S/T	0.73	0.66	0.52	-	0.74	0.66	0.52	-	1.00	0.69	0.55	-	1.00	0.71	0.57	-	1.00	0.73	0.59	-	1.00	1.00	0.64	-
		ΔT	18	16	12	-	18	16	12	-	18	16	13	-	18	16	12	-	18	16	12	-	19	17	13	-
		kW	2.64	2.63	2.63	-	2.95	2.95	2.95	-	3.31	3.31	3.30	-	3.70	3.69	3.69	-	4.13	4.12	4.12	-	4.63	4.63	4.62	-
		Amps	10.4	10.4	10.3	-	11.8	11.8	11.8	-	13.5	13.4	13.4	-	15.2	15.2	15.2	-	17.2	17.2	17.2	-	19.5	19.5	19.5	-
		HI PR	278	279	281	-	321	322	324	-	366	367	369	-	414	415	417	-	466	467	469	-	522	523	525	-
		LO PR	130	132	135	-	138	139	142	-	144	146	149	-	150	151	155	-	155	157	160	-	162	164	167	-
75	1300	MBh	41.3	41.8	43.0	44.9	40.9	41.5	42.7	44.5	39.8	40.4	41.6	43.5	38.0	**38.6**	39.8	41.6	35.8	36.3	37.6	39.4	33.7	34.3	35.5	37.4
		S/T	0.82	0.74	0.60	0.46	1.00	0.75	0.61	0.46	1.00	0.78	0.64	0.49	1.00	**0.80**	0.66	0.51	1.00	0.82	0.68	0.53	1.00	1.00	0.73	0.58
		ΔT	24	22	18	14	24	22	18	14	24	22	18	15	24	**22**	18	14	23	21	18	14	24	23	19	15
		kW	2.61	2.61	2.60	2.63	2.93	2.93	2.92	2.95	3.29	3.28	3.28	3.30	3.67	**3.67**	3.66	3.69	4.10	4.10	4.09	4.12	4.61	4.61	4.60	4.62
		Amps	10.3	10.2	10.2	10.3	11.7	11.7	11.7	11.8	13.3	13.3	13.3	13.4	15.1	**15.1**	15.1	15.2	17.1	17.1	17.0	17.2	19.4	19.4	19.4	19.5
		HI PR	274	275	277	282	317	318	320	325	362	363	365	370	410	**411**	413	418	462	464	466	470	518	519	521	526
		LO PR	126	128	131	136	134	136	139	144	141	142	145	151	146	**148**	151	156	152	153	156	162	159	160	163	169
	1400	MBh	41.6	42.2	43.4	45.3	41.3	41.8	43.1	44.9	40.2	40.8	42.0	43.9	38.4	**39.0**	40.2	42.0	36.1	36.7	37.9	39.8	34.1	34.7	35.9	37.8
		S/T	0.85	0.77	0.63	0.48	1.00	0.77	0.63	0.49	1.00	0.80	0.66	0.51	1.00	**0.82**	0.68	0.53	1.00	0.84	0.70	0.56	1.00	1.00	0.76	0.61
		ΔT	23	21	18	14	23	21	17	14	23	21	18	14	23	**21**	17	14	23	21	17	14	24	22	18	15
		kW	2.62	2.62	2.61	2.64	2.94	2.94	2.93	2.95	3.29	3.29	3.29	3.31	3.68	**3.68**	3.67	3.70	4.11	4.11	4.10	4.13	4.62	4.61	4.61	4.63
		Amps	10.3	10.3	10.3	10.4	11.8	11.7	11.7	11.8	13.4	13.4	13.4	13.5	15.2	**15.1**	15.1	15.2	17.1	17.1	17.1	17.2	19.4	19.4	19.4	19.5
		HI PR	276	277	279	283	318	320	322	326	363	365	366	371	412	**413**	415	420	464	465	467	472	519	521	523	527
		LO PR	128	129	132	138	135	137	140	145	142	143	147	152	147	**149**	152	157	153	154	158	163	160	161	165	170
	1575	MBh	42.4	43.0	44.2	46.1	42.1	42.6	43.8	45.7	41.0	41.6	42.8	44.6	39.2	**39.7**	40.9	42.8	36.9	37.5	38.7	40.6	34.9	35.5	36.7	38.5
		S/T	0.87	0.79	0.65	0.50	1.00	0.80	0.65	0.51	1.00	0.82	0.68	0.53	1.00	**0.84**	0.70	0.55	1.00	1.00	0.72	0.58	1.00	1.00	0.78	0.63
		ΔT	22	20	17	13	22	20	17	13	22	20	17	13	22	**20**	17	13	22	20	16	13	23	21	17	14
		kW	2.63	2.63	2.63	2.65	2.95	2.95	2.94	2.97	3.31	3.31	3.30	3.32	3.69	**3.69**	3.69	3.71	4.12	4.12	4.12	4.14	4.63	4.63	4.62	4.65
		Amps	10.4	10.3	10.3	10.4	11.8	11.8	11.8	11.9	13.5	13.4	13.4	13.5	15.2	**15.2**	15.2	15.3	17.2	17.2	17.2	17.3	19.5	19.5	19.5	19.6
		HI PR	278	279	281	286	321	322	324	329	366	367	369	374	414	**415**	417	422	466	467	469	474	522	523	525	530
		LO PR	130	132	135	140	138	139	142	148	144	146	149	154	150	**151**	155	160	155	157	160	165	162	164	167	172

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Expanded Cooling Data — APU1442***M41C* (cont.)

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1300	MBh	41.5	42.0	43.3	45.1	41.1	41.7	42.9	44.7	40.0	40.6	41.8	43.7	38.2	38.8	**40.0**	41.9	36.0	36.5	37.8	39.6	33.9	34.5	35.7	37.6
		S/T	1.00	0.87	0.73	0.58	1.00	0.88	0.74	0.59	1.00	0.91	0.76	0.62	1.00	1.00	**0.79**	0.64	1.00	1.00	0.81	0.66	1.00	1.00	0.86	0.71
		ΔT	28	26	22	19	28	26	22	19	28	26	23	19	28	26	**22**	19	28	26	22	18	29	27	23	20
		kW	2.61	2.61	2.60	2.63	2.93	2.93	2.92	2.95	3.29	3.29	3.28	3.30	3.67	3.67	**3.67**	3.69	4.10	4.10	4.10	4.12	4.61	4.61	4.60	4.63
		Amps	10.3	10.3	10.2	10.3	11.7	11.7	11.7	11.8	13.4	13.3	13.3	13.4	15.1	15.1	**15.1**	15.2	17.1	17.1	17.1	17.2	19.4	19.4	19.4	19.5
		HI PR	275	276	278	283	318	319	321	325	362	364	366	370	411	412	**414**	419	463	464	466	471	519	520	522	526
		LO PR	127	128	132	137	135	136	139	145	141	143	146	151	147	148	**151**	157	152	154	157	162	159	161	164	169
	1400	MBh	41.8	42.4	43.6	45.5	41.5	42.1	43.3	45.1	40.4	41.0	42.2	44.1	38.6	39.2	40.4	42.2	36.4	36.9	38.1	40.0	34.3	34.9	36.1	38.0
		S/T	1.00	0.90	0.76	0.61	1.00	0.90	0.76	0.62	1.00	0.93	0.79	0.64	1.00	1.00	0.81	0.66	1.00	1.00	0.83	0.68	1.00	1.00	0.89	0.74
		ΔT	27	25	22	18	27	25	22	18	27	26	22	18	27	25	22	18	27	25	21	18	28	26	23	19
		kW	2.62	2.62	2.61	2.64	2.94	2.94	2.93	2.96	3.30	3.29	3.29	3.31	3.68	3.68	3.67	3.70	4.11	4.11	4.10	4.13	4.62	4.62	4.61	4.63
		Amps	10.3	10.3	10.3	10.4	11.8	11.8	11.7	11.8	13.4	13.4	13.4	13.5	15.2	15.1	15.1	15.2	17.1	17.1	17.1	17.2	19.4	19.4	19.4	19.5
		HI PR	276	277	279	284	319	320	322	327	364	365	367	372	412	413	415	420	464	466	467	472	520	521	523	528
		LO PR	128	130	133	138	136	137	140	146	142	144	147	152	148	150	153	158	154	155	158	164	160	162	165	170
	1575	MBh	42.6	43.2	44.4	46.3	42.3	42.8	44.1	45.9	41.2	41.8	43.0	44.8	39.4	39.9	41.2	43.0	37.1	37.7	38.9	40.8	35.1	35.7	36.9	38.7
		S/T	1.00	0.92	0.78	0.63	1.00	0.92	0.78	0.64	1.00	1.00	0.81	0.66	1.00	1.00	0.83	0.68	1.00	1.00	0.85	0.71	1.00	1.00	1.00	0.76
		ΔT	26	24	21	17	26	24	21	17	26	25	21	17	26	24	21	17	26	24	20	17	27	25	22	18
		kW	2.63	2.63	2.63	2.65	2.95	2.95	2.95	2.97	3.31	3.31	3.30	3.33	3.70	3.69	3.69	3.71	4.13	4.12	4.12	4.14	4.63	4.63	4.62	4.65
		Amps	10.4	10.4	10.3	10.4	11.8	11.8	11.8	11.9	13.5	13.4	13.4	13.5	15.2	15.2	15.2	15.3	17.2	17.2	17.2	17.3	19.5	19.5	19.5	19.6
		HI PR	279	280	282	286	321	323	324	329	366	367	369	374	415	416	418	422	467	468	470	475	522	524	525	530
		LO PR	131	132	135	141	138	140	143	148	145	146	149	155	150	152	155	160	156	157	161	166	163	164	167	173
85	1300	MBh	42.2	42.7	43.9	45.8	41.8	42.4	43.6	45.4	40.7	41.3	42.5	44.4	38.9	39.5	40.7	42.5	36.7	37.2	38.5	40.3	34.6	35.2	36.4	38.3
		S/T	1.00	0.98	0.84	0.69	1.00	1.00	0.84	0.70	1.00	1.00	0.87	0.72	1.00	1.00	0.89	0.74	1.00	1.00	1.00	0.76	1.00	1.00	1.00	0.82
		ΔT	32	30	26	22	32	30	26	22	32	30	26	23	31	30	26	22	31	29	26	22	32	31	27	23
		kW	2.62	2.62	2.61	2.63	2.94	2.93	2.93	2.95	3.29	3.29	3.29	3.31	3.68	3.68	3.67	3.70	4.11	4.11	4.10	4.13	4.62	4.61	4.61	4.63
		Amps	10.3	10.3	10.3	10.4	11.8	11.7	11.7	11.8	13.4	13.4	13.3	13.5	15.1	15.1	15.1	15.2	17.1	17.1	17.1	17.2	19.4	19.4	19.4	19.5
		HI PR	276	277	279	284	319	320	322	327	364	365	367	372	412	413	415	420	464	465	467	472	520	521	523	528
		LO PR	129	130	134	139	136	138	141	146	143	145	148	153	149	150	153	159	154	156	159	164	161	163	166	171
	1400	MBh	42.5	43.1	44.3	46.2	42.2	42.7	44.0	45.8	41.1	41.7	42.9	44.8	39.3	39.9	41.1	42.9	37.0	37.6	38.8	40.7	35.0	35.6	36.8	38.6
		S/T	1.00	1.00	0.86	0.71	1.00	1.00	0.87	0.72	1.00	1.00	0.89	0.75	1.00	1.00	0.91	0.77	1.00	1.00	1.00	0.79	1.00	1.00	1.00	0.84
		ΔT	31	29	26	22	31	29	25	22	31	29	26	22	31	29	25	22	31	29	25	21	32	30	26	23
		kW	2.63	2.62	2.62	2.64	2.95	2.94	2.94	2.96	3.30	3.30	3.29	3.32	3.69	3.69	3.68	3.70	4.12	4.12	4.11	4.14	4.62	4.62	4.62	4.64
		Amps	10.3	10.3	10.3	10.4	11.8	11.8	11.8	11.9	13.4	13.4	13.4	13.5	15.2	15.2	15.2	15.3	17.2	17.1	17.1	17.2	19.5	19.5	19.4	19.5
		HI PR	277	279	280	285	320	321	323	328	365	366	368	373	413	415	417	421	466	467	469	473	521	522	524	529
		LO PR	130	132	135	140	138	139	142	148	144	146	149	154	150	151	155	160	155	157	160	165	162	164	167	172
	1575	MBh	43.3	43.9	45.1	47.0	42.9	43.5	44.7	46.6	41.9	42.5	43.7	45.5	40.1	40.6	41.8	43.7	37.8	38.4	39.6	41.5	35.8	36.4	37.6	39.4
		S/T	1.00	1.00	0.88	0.74	1.00	1.00	0.89	0.74	1.00	1.00	0.92	0.77	1.00	1.00	0.94	0.79	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.86
		ΔT	30	28	25	21	30	28	24	21	30	28	25	21	30	28	24	21	30	28	24	21	31	29	25	22
		kW	2.64	2.64	2.63	2.66	2.96	2.96	2.95	2.98	3.32	3.31	3.31	3.33	3.70	3.70	3.69	3.72	4.13	4.13	4.12	4.15	4.64	4.64	4.63	4.65
		Amps	10.4	10.4	10.4	10.5	11.9	11.8	11.8	11.9	13.5	13.5	13.5	13.6	15.3	15.2	15.2	15.3	17.2	17.2	17.2	17.3	19.5	19.5	19.5	19.6
		HI PR	280	281	283	288	323	324	326	330	368	369	371	375	416	417	419	424	468	469	471	476	524	525	527	532
		LO PR	132	134	137	142	140	142	145	150	147	148	151	157	152	154	157	162	158	159	162	168	165	166	169	175

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Expanded Cooling Data — APU1448***M41C*

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1400	MBh	47.5	48.2	49.6	-	47.1	47.8	49.2	-	45.9	46.5	47.9	-	43.7	44.4	45.8	-	41.1	41.8	43.2	-	38.8	39.4	40.8	-
		S/T	0.66	0.58	0.44	-	0.66	0.58	0.44	-	0.69	0.61	0.47	-	1.00	0.63	0.49	-	1.00	0.65	0.51	-	1.00	0.71	0.56	-
		ΔT	20	18	14	-	20	18	14	-	20	18	15	-	20	18	14	-	20	18	14	-	21	19	15	-
		kW	3.05	3.04	3.04	-	3.41	3.41	3.40	-	3.82	3.81	3.81	-	4.26	4.25	4.25	-	4.75	4.75	4.74	-	5.33	5.32	5.32	-
		Amps	11.7	11.7	11.6	-	13.3	13.3	13.3	-	15.2	15.2	15.2	-	17.2	17.2	17.2	-	19.5	19.4	19.4	-	22.1	22.1	22.1	-
		Hi PR	267	268	270	-	309	310	312	-	353	354	356	-	400	402	403	-	452	453	455	-	506	507	509	-
		Lo PR	125	127	130	-	133	134	137	-	139	141	144	-	145	147	150	-	150	152	155	-	157	159	162	-
	1525	MBh	47.9	48.6	50.0	-	47.5	48.2	49.6	-	46.3	46.9	48.4	-	44.1	44.8	46.2	-	41.5	42.2	43.6	-	39.2	39.8	41.3	-
		S/T	0.69	0.61	0.47	-	0.70	0.62	0.48	-	0.73	0.65	0.51	-	1.00	0.67	0.53	-	1.00	0.69	0.55	-	1.00	0.74	0.60	-
		ΔT	19	17	14	-	19	17	14	-	19	17	14	-	19	17	14	-	19	17	13	-	20	18	15	-
		kW	3.06	3.06	3.05	-	3.42	3.42	3.41	-	3.83	3.83	3.82	-	4.27	4.27	4.26	-	4.76	4.76	4.75	-	5.34	5.34	5.33	-
		Amps	11.7	11.7	11.7	-	13.4	13.4	13.3	-	15.3	15.2	15.2	-	17.3	17.3	17.2	-	19.5	19.5	19.5	-	22.2	22.1	22.1	-
		Hi PR	268	270	272	-	310	312	314	-	355	356	358	-	402	403	405	-	453	454	456	-	508	509	511	-
		Lo PR	126	128	131	-	134	135	139	-	141	142	145	-	146	148	151	-	152	153	156	-	159	160	163	-
	1800	MBh	49.1	49.7	51.1	-	48.6	49.3	50.7	-	47.4	48.1	49.5	-	45.3	45.9	47.4	-	42.7	43.3	44.8	-	40.3	41.0	42.4	-
		S/T	0.74	0.66	0.52	-	0.74	0.66	0.52	-	1.00	0.69	0.55	-	1.00	0.71	0.57	-	1.00	0.73	0.59	-	1.00	0.79	0.65	-
		ΔT	18	16	12	-	18	16	12	-	18	16	13	-	18	16	12	-	17	16	12	-	19	17	13	-
		kW	3.08	3.08	3.07	-	3.44	3.44	3.44	-	3.85	3.85	3.84	-	4.29	4.29	4.28	-	4.78	4.78	4.77	-	5.36	5.36	5.35	-
		Amps	11.8	11.8	11.8	-	13.5	13.5	13.4	-	15.4	15.3	15.3	-	17.4	17.4	17.3	-	19.6	19.6	19.6	-	22.3	22.2	22.2	-
		Hi PR	272	273	275	-	314	315	317	-	358	359	361	-	405	406	408	-	456	457	459	-	511	512	514	-
		Lo PR	129	131	134	-	137	139	142	-	144	145	148	-	149	151	154	-	155	156	159	-	162	163	166	-
75	1400	MBh	47.5	48.2	49.6	51.8	47.1	47.8	49.2	51.4	45.9	46.5	48.0	50.1	43.8	**44.4**	45.8	48.0	41.2	41.8	43.2	45.4	38.8	39.5	40.9	43.0
		S/T	0.79	0.71	0.57	0.42	0.80	0.72	0.58	0.43	1.00	0.74	0.60	0.45	1.00	**0.76**	0.62	0.47	1.00	0.79	0.65	0.50	1.00	1.00	0.70	0.55
		ΔT	24	22	19	15	24	22	19	15	24	22	19	15	24	**22**	19	15	24	22	18	15	25	23	19	16
		kW	3.04	3.04	3.03	3.06	3.41	3.41	3.40	3.43	3.82	3.81	3.81	3.83	4.26	**4.25**	4.25	4.27	4.75	4.74	4.74	4.77	5.32	5.32	5.32	5.34
		Amps	11.7	11.6	11.6	11.7	13.3	13.3	13.3	13.4	15.2	15.2	15.1	15.3	17.2	**17.2**	17.2	17.3	19.4	19.4	19.4	19.5	22.1	22.1	22.0	22.2
		Hi PR	267	268	270	275	309	310	312	317	353	354	356	361	401	**402**	404	408	452	453	455	459	506	507	509	514
		Lo PR	125	127	130	135	133	134	137	143	139	141	144	149	145	**147**	150	155	151	152	155	161	157	159	162	167
	1525	MBh	48.0	48.6	50.0	52.2	47.5	48.2	49.6	51.8	46.3	47.0	48.4	50.5	44.2	**44.8**	46.3	48.4	41.6	42.2	43.7	45.8	39.2	39.9	41.3	43.4
		S/T	0.83	0.75	0.61	0.46	1.00	0.75	0.61	0.46	1.00	0.78	0.64	0.49	1.00	**0.80**	0.66	0.51	1.00	0.82	0.68	0.53	1.00	1.00	0.74	0.59
		ΔT	23	21	18	14	23	21	18	14	23	22	18	14	23	**21**	18	14	23	21	18	14	24	22	19	15
		kW	3.06	3.05	3.05	3.07	3.42	3.42	3.41	3.44	3.83	3.82	3.82	3.85	4.27	**4.26**	4.26	4.29	4.76	4.76	4.75	4.78	5.34	5.33	5.33	5.35
		Amps	11.7	11.7	11.7	11.8	13.4	13.4	13.3	13.5	15.2	15.2	15.2	15.3	17.3	**17.2**	17.2	17.3	19.5	19.5	19.5	19.6	22.1	22.1	22.1	22.2
		Hi PR	269	270	272	276	311	312	314	318	355	356	358	362	402	**403**	405	410	453	454	456	461	508	509	511	515
		Lo PR	126	128	131	136	134	136	139	144	141	142	145	151	146	**148**	151	156	152	153	156	162	159	160	163	169
	1800	MBh	49.1	49.7	51.2	53.3	48.7	49.3	50.7	52.9	47.4	48.1	49.5	51.7	45.3	**46.0**	47.4	49.5	42.7	43.4	44.8	46.9	40.3	41.0	42.4	44.6
		S/T	0.87	0.79	0.65	0.50	1.00	0.80	0.66	0.51	1.00	0.82	0.68	0.53	1.00	**0.84**	0.70	0.55	1.00	1.00	0.73	0.58	1.00	1.00	0.78	0.63
		ΔT	22	20	17	13	22	20	16	13	22	20	17	13	22	**20**	16	13	22	20	16	13	23	21	17	14
		kW	3.08	3.08	3.07	3.10	3.44	3.44	3.43	3.46	3.85	3.85	3.84	3.87	4.29	**4.29**	4.28	4.31	4.78	4.78	4.77	4.80	5.36	5.36	5.35	5.38
		Amps	11.8	11.8	11.8	11.9	13.5	13.5	13.4	13.6	15.3	15.3	15.3	15.4	17.4	**17.3**	17.3	17.4	19.6	19.6	19.6	19.7	22.2	22.2	22.2	22.3
		Hi PR	272	273	275	280	314	315	317	322	358	359	361	366	405	**406**	408	413	456	458	459	464	511	512	514	519
		Lo PR	129	131	134	139	137	139	142	147	144	145	148	154	149	**151**	154	159	155	156	159	165	162	163	166	172

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Expanded Cooling Data — APU1448***M41C* (cont.)

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1400	MBh	47.8	48.5	49.9	52.0	47.4	48.0	49.4	51.6	46.1	46.8	48.2	50.4	44.0	44.7	46.1	48.2	41.4	42.1	43.5	45.6	39.0	39.7	41.1	43.3
		S/T	1.00	0.84	0.70	0.55	1.00	0.85	0.71	0.56	1.00	0.87	0.73	0.58	1.00	1.00	0.75	0.60	1.00	1.00	0.78	0.63	1.00	1.00	0.83	0.68
		ΔT	28	26	23	19	28	26	23	19	28	26	23	19	28	26	23	19	28	26	22	19	29	27	24	20
		kW	3.05	3.04	3.04	3.06	3.41	3.41	3.40	3.43	3.82	3.81	3.81	3.84	4.26	4.25	4.25	4.28	4.75	4.75	4.74	4.77	5.33	5.32	5.32	5.34
		Amps	11.7	11.7	11.6	11.8	13.3	13.3	13.3	13.4	15.2	15.2	15.2	15.3	17.2	17.2	17.2	17.3	19.5	19.4	19.4	19.5	22.1	22.1	22.1	22.2
		Hi PR	268	269	271	275	310	311	313	317	354	355	357	361	401	402	404	409	452	453	455	460	507	508	510	514
		Lo PR	126	127	130	136	133	135	138	143	140	141	145	150	146	147	150	156	151	153	156	161	158	160	163	168
	1525	MBh	48.2	48.9	50.3	52.4	47.8	48.4	49.9	52.0	46.5	47.2	48.6	50.8	44.4	45.1	**46.5**	48.7	41.8	42.5	43.9	46.1	39.4	40.1	41.5	43.7
		S/T	1.00	0.88	0.74	0.59	1.00	0.89	0.74	0.60	1.00	0.91	0.77	0.62	1.00	1.00	**0.79**	0.64	1.00	1.00	0.81	0.66	1.00	1.00	0.87	0.72
		ΔT	27	25	22	18	27	25	22	18	28	26	22	19	27	25	**22**	18	27	25	22	18	28	26	23	19
		kW	3.06	3.06	3.05	3.08	3.42	3.42	3.41	3.44	3.83	3.83	3.82	3.85	4.27	4.27	**4.26**	4.29	4.76	4.76	4.75	4.78	5.34	5.34	5.33	5.36
		Amps	11.7	11.7	11.7	11.8	13.4	13.4	13.3	13.5	15.2	15.2	15.2	15.3	17.3	17.2	**17.2**	17.3	19.5	19.5	19.5	19.6	22.2	22.1	22.1	22.2
		Hi PR	269	270	272	277	311	312	314	319	355	356	358	363	403	404	**406**	410	454	455	457	461	508	509	511	516
		Lo PR	127	128	132	137	135	136	139	145	141	143	146	151	147	148	**151**	157	152	154	157	162	159	161	164	169
	1800	MBh	49.3	50.0	51.4	53.6	48.9	49.6	51.0	53.1	47.7	48.3	49.7	51.9	45.5	46.2	47.6	49.8	42.9	43.6	45.0	47.2	40.6	41.2	42.7	44.8
		S/T	1.00	0.92	0.78	0.63	1.00	0.93	0.79	0.64	1.00	1.00	0.81	0.66	1.00	1.00	0.83	0.68	1.00	1.00	0.86	0.71	1.00	1.00	0.91	0.76
		ΔT	26	24	21	17	26	24	21	17	26	24	21	17	26	24	21	17	26	24	20	17	27	25	22	18
		kW	3.08	3.08	3.07	3.10	3.44	3.44	3.44	3.46	3.85	3.85	3.84	3.87	4.29	4.29	4.28	4.31	4.78	4.78	4.77	4.80	5.36	5.36	5.35	5.38
		Amps	11.8	11.8	11.8	11.9	13.5	13.5	13.4	13.6	15.3	15.3	15.3	15.4	17.4	17.4	17.3	17.5	19.6	19.6	19.6	19.7	22.3	22.2	22.2	22.3
		Hi PR	272	274	275	280	314	316	317	322	358	360	361	366	406	407	409	413	457	458	460	465	511	513	514	519
		Lo PR	130	132	135	140	138	139	142	148	144	146	149	154	150	151	155	160	155	157	160	165	162	164	167	172
85	1400	MBh	48.6	49.2	50.7	52.8	48.2	48.8	50.2	52.4	46.9	47.6	49.0	51.2	44.8	45.5	46.9	49.0	42.2	42.9	44.3	46.4	39.8	40.5	41.9	44.1
		S/T	1.00	0.95	0.81	0.66	1.00	1.00	0.81	0.66	1.00	1.00	0.84	0.69	1.00	1.00	0.86	0.71	1.00	1.00	0.88	0.73	1.00	1.00	1.00	0.79
		ΔT	32	30	26	23	32	30	26	23	32	30	27	23	32	30	26	23	31	30	26	22	33	31	27	24
		kW	3.05	3.05	3.04	3.07	3.42	3.41	3.41	3.44	3.82	3.82	3.82	3.84	4.26	4.26	4.26	4.28	4.76	4.75	4.75	4.77	5.33	5.33	5.32	5.35
		Amps	11.7	11.7	11.7	11.8	13.4	13.4	13.3	13.4	15.2	15.2	15.2	15.3	17.2	17.2	17.2	17.3	19.5	19.5	19.4	19.6	22.1	22.1	22.1	22.2
		Hi PR	269	270	272	277	311	312	314	319	355	356	358	363	402	404	405	410	453	455	457	461	508	509	511	516
		Lo PR	128	129	132	138	135	137	140	145	142	143	147	152	147	149	152	157	153	154	158	163	160	161	165	170
	1525	MBh	49.0	49.7	51.1	53.2	48.6	49.2	50.7	52.8	47.3	48.0	49.4	51.6	45.2	45.9	47.3	49.5	42.6	43.3	44.7	46.9	40.2	40.9	42.3	44.5
		S/T	1.00	0.98	0.84	0.69	1.00	1.00	0.85	0.70	1.00	1.00	0.88	0.73	1.00	1.00	0.90	0.75	1.00	1.00	1.00	0.77	1.00	1.00	1.00	0.82
		ΔT	31	29	26	22	31	29	26	22	31	29	26	22	31	29	26	22	31	29	25	22	32	30	27	23
		kW	3.06	3.06	3.06	3.08	3.43	3.43	3.42	3.45	3.84	3.83	3.83	3.85	4.28	4.27	4.27	4.29	4.77	4.77	4.76	4.79	5.35	5.34	5.34	5.36
		Amps	11.8	11.7	11.7	11.8	13.4	13.4	13.4	13.5	15.3	15.3	15.2	15.4	17.3	17.3	17.3	17.4	19.5	19.5	19.5	19.6	22.2	22.2	22.1	22.3
		Hi PR	270	272	273	278	312	314	315	320	356	358	360	364	404	405	407	412	455	456	458	463	509	511	513	517
		Lo PR	129	130	134	139	136	138	141	146	143	145	148	153	149	150	153	159	154	156	159	164	161	163	166	171
	1800	MBh	50.1	50.8	52.2	54.4	49.7	50.4	51.8	53.9	48.5	49.1	50.5	52.7	46.3	47.0	48.4	50.6	43.7	44.4	45.8	48.0	41.4	42.0	43.5	45.6
		S/T	1.00	1.00	0.89	0.74	1.00	1.00	0.89	0.74	1.00	1.00	0.92	0.77	1.00	1.00	0.94	0.79	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.87
		ΔT	30	28	24	21	30	28	24	21	30	28	25	21	30	28	24	21	29	28	24	20	31	29	25	22
		kW	3.09	3.08	3.08	3.11	3.45	3.45	3.44	3.47	3.86	3.86	3.85	3.88	4.30	4.30	4.29	4.32	4.79	4.79	4.78	4.81	5.37	5.36	5.36	5.39
		Amps	11.9	11.8	11.8	11.9	13.5	13.5	13.5	13.6	15.4	15.4	15.3	15.5	17.4	17.4	17.4	17.5	19.6	19.6	19.6	19.7	22.3	22.3	22.2	22.4
		Hi PR	274	275	277	281	316	317	319	323	360	361	363	367	407	408	410	415	458	459	461	466	513	514	516	520
		Lo PR	132	133	137	142	139	141	144	149	146	148	151	156	152	153	156	162	157	159	162	167	164	166	169	174

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Expanded Cooling Data — APU1461***M41A* - Low Stage

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	975	MBh	41.0	41.6	42.8	-	40.6	41.2	42.4	-	39.6	40.2	41.4	-	37.7	38.3	39.5	-	35.5	36.1	37.3	-	33.4	34.0	35.2	-
		S/T	0.63	0.55	0.41	-	0.64	0.56	0.42	-	0.66	0.58	0.44	-	1.00	0.60	0.46	-	1.00	0.63	0.49	-	1.00	0.68	0.54	-
		ΔT	20	19	15	-	20	18	15	-	21	19	15	-	20	18	15	-	20	18	15	-	21	19	16	-
		kW	2.31	2.31	2.30	-	2.58	2.58	2.58	-	2.89	2.89	2.88	-	3.22	3.22	3.21	-	3.59	3.59	3.58	-	4.03	4.02	4.02	-
		Amps	8.2	8.2	8.1	-	9.4	9.3	9.3	-	10.7	10.7	10.7	-	12.1	12.1	12.1	-	13.7	13.7	13.7	-	15.6	15.6	15.6	-
		Hi PR	267	268	270	-	309	310	312	-	353	354	356	-	400	401	403	-	451	452	454	-	506	507	509	-
		Lo PR	125	126	130	-	132	134	137	-	139	141	144	-	145	146	149	-	150	152	155	-	157	159	162	-
	1100	MBh	41.5	42.1	43.3	-	41.1	41.7	42.9	-	40.1	40.6	41.9	-	38.2	38.8	40.0	-	36.0	36.6	37.8	-	33.9	34.5	35.7	-
		S/T	0.68	0.61	0.47	-	0.69	0.61	0.47	-	0.72	0.64	0.50	-	1.00	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.73	0.59	-
		ΔT	19	18	14	-	19	17	14	-	20	18	14	-	19	17	14	-	19	17	14	-	20	18	15	-
		kW	2.32	2.32	2.31	-	2.60	2.59	2.59	-	2.90	2.90	2.90	-	3.23	3.23	3.23	-	3.60	3.60	3.60	-	4.04	4.04	4.03	-
		Amps	8.2	8.2	8.2	-	9.4	9.4	9.4	-	10.7	10.7	10.7	-	12.2	12.2	12.2	-	13.8	13.8	13.8	-	15.7	15.7	15.7	-
		Hi PR	269	270	272	-	311	312	314	-	355	356	358	-	402	403	405	-	453	454	456	-	508	509	511	-
		Lo PR	126	128	131	-	134	136	139	-	141	142	145	-	146	148	151	-	152	153	157	-	159	160	163	-
	1325	MBh	42.6	43.2	44.4	-	42.3	42.8	44.1	-	41.2	41.8	43.0	-	39.3	39.9	41.2	-	37.1	37.7	38.9	-	35.0	35.6	36.8	-
		S/T	0.73	0.65	0.51	-	0.74	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.70	0.56	-	1.00	0.73	0.59	-	1.00	1.00	0.64	-
		ΔT	18	16	12	-	18	16	12	-	18	16	13	-	18	16	12	-	18	16	12	-	19	17	13	-
		kW	2.34	2.34	2.33	-	2.61	2.61	2.61	-	2.92	2.92	2.91	-	3.25	3.25	3.25	-	3.62	3.62	3.62	-	4.06	4.06	4.05	-
		Amps	8.3	8.3	8.3	-	9.5	9.5	9.5	-	10.8	10.8	10.8	-	12.3	12.3	12.2	-	13.9	13.9	13.8	-	15.8	15.8	15.7	-
		Hi PR	272	273	275	-	314	315	317	-	358	359	361	-	406	407	409	-	457	458	460	-	511	513	514	-
		Lo PR	130	131	135	-	138	139	142	-	144	146	149	-	150	151	154	-	155	157	160	-	162	164	167	-
75	975	MBh	41.0	41.6	42.8	44.7	40.7	41.2	42.5	44.3	39.6	40.2	41.4	43.3	37.8	**38.3**	39.6	41.4	35.5	36.1	37.3	39.2	33.5	34.0	35.3	37.1
		S/T	0.76	0.68	0.54	0.40	0.77	0.69	0.55	0.40	1.00	0.72	0.58	0.43	1.00	**0.74**	0.60	0.45	1.00	0.76	0.62	0.47	1.00	1.00	0.67	0.53
		ΔT	25	23	19	16	25	23	19	15	25	23	19	16	25	**23**	19	15	24	22	19	15	25	24	20	16
		kW	2.31	2.30	2.30	2.32	2.58	2.58	2.57	2.60	2.89	2.89	2.88	2.90	3.22	**3.22**	3.21	3.23	3.59	3.59	3.58	3.60	4.02	4.02	4.02	4.04
		Amps	8.2	8.1	8.1	8.2	9.3	9.3	9.3	9.4	10.7	10.7	10.7	10.7	12.1	**12.1**	12.1	12.2	13.7	13.7	13.7	13.8	15.6	15.6	15.6	15.7
		Hi PR	267	268	270	275	309	310	312	317	353	354	356	361	400	**401**	403	408	451	453	454	459	506	507	509	514
		Lo PR	125	126	130	135	132	134	137	142	139	141	144	149	145	**146**	149	155	150	152	155	160	157	159	162	167
	1100	MBh	41.5	42.1	43.3	45.2	41.2	41.7	43.0	44.8	40.1	40.7	41.9	43.8	38.2	**38.8**	40.1	41.9	36.0	36.6	37.8	39.7	33.9	34.5	35.7	37.6
		S/T	0.82	0.74	0.60	0.45	1.00	0.75	0.61	0.46	1.00	0.77	0.63	0.48	1.00	**0.79**	0.65	0.50	1.00	0.81	0.67	0.53	1.00	1.00	0.73	0.58
		ΔT	24	22	18	14	24	22	18	14	24	22	18	15	24	**22**	18	14	23	21	18	14	24	23	19	15
		kW	2.32	2.32	2.31	2.33	2.59	2.59	2.59	2.61	2.90	2.90	2.89	2.91	3.23	**3.23**	3.23	3.25	3.60	3.60	3.60	3.62	4.04	4.04	4.03	4.05
		Amps	8.2	8.2	8.2	8.3	9.4	9.4	9.4	9.5	10.7	10.7	10.7	10.8	12.2	**12.2**	12.1	12.2	13.8	13.8	13.8	13.9	15.7	15.7	15.6	15.7
		Hi PR	269	270	272	277	311	312	314	319	355	356	358	363	402	**404**	405	410	453	455	457	461	508	509	511	516
		Lo PR	127	128	131	137	134	136	139	144	141	142	145	151	146	**148**	151	156	152	153	157	162	159	160	163	169
	1325	MBh	42.6	43.2	44.5	46.3	42.3	42.9	44.1	46.0	41.2	41.8	43.0	44.9	39.4	**40.0**	41.2	43.0	37.1	37.7	38.9	40.8	35.1	35.6	36.9	38.7
		S/T	0.86	0.78	0.64	0.50	1.00	0.79	0.65	0.50	1.00	0.82	0.68	0.53	1.00	**0.84**	0.70	0.55	1.00	1.00	0.72	0.57	1.00	1.00	0.77	0.63
		ΔT	22	20	17	13	22	20	17	13	22	20	17	13	22	**20**	17	13	22	20	16	13	23	21	17	14
		kW	2.34	2.34	2.33	2.35	2.61	2.61	2.61	2.63	2.92	2.92	2.91	2.93	3.25	**3.25**	3.24	3.27	3.62	3.62	3.61	3.64	4.06	4.05	4.05	4.07
		Amps	8.3	8.3	8.3	8.4	9.5	9.5	9.5	9.5	10.8	10.8	10.8	10.9	12.3	**12.3**	12.2	12.3	13.9	13.9	13.8	13.9	15.8	15.8	15.7	15.8
		Hi PR	272	274	276	280	315	316	318	322	359	360	362	366	406	**407**	409	414	457	458	460	465	512	513	515	519
		Lo PR	130	132	135	140	138	139	142	148	144	146	149	154	150	**151**	155	160	155	157	160	165	162	164	167	172

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Expanded Cooling Data — APU1461***M41A* - Low Stage (cont.)

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	975	MBh	41.2	41.8	43.0	44.9	40.9	41.5	42.7	44.6	39.8	40.4	41.6	43.5	38.0	38.5	39.8	41.6	35.7	36.3	37.5	39.4	33.7	34.2	35.5	37.3
		S/T	1.00	0.81	0.67	0.53	1.00	0.82	0.68	0.53	1.00	0.85	0.71	0.56	1.00	1.00	0.73	0.58	1.00	1.00	0.75	0.60	1.00	1.00	0.80	0.65
		ΔT	29	27	23	20	29	27	23	20	29	27	24	20	29	27	23	20	29	27	23	19	30	28	24	21
		kW	2.31	2.31	2.30	2.32	2.58	2.58	2.58	2.60	2.89	2.89	2.88	2.90	3.22	3.22	3.21	3.24	3.59	3.59	3.58	3.61	4.03	4.02	4.02	4.04
		Amps	8.2	8.2	8.1	8.2	9.4	9.3	9.3	9.4	10.7	10.7	10.7	10.7	12.1	12.1	12.1	12.2	13.7	13.7	13.7	13.8	15.6	15.6	15.6	15.7
		Hi PR	267	268	270	275	309	311	312	317	353	355	356	361	401	402	404	408	452	453	455	460	506	508	510	514
		Lo PR	125	127	130	135	133	135	138	143	140	141	144	150	145	147	150	155	151	152	155	161	158	159	162	168
	1100	MBh	41.7	42.3	43.5	45.4	41.4	42.0	43.2	45.0	40.3	40.9	42.1	44.0	38.5	39.0	**40.3**	42.1	36.2	36.8	38.0	39.9	34.2	34.7	36.0	37.8
		S/T	1.00	0.87	0.73	0.58	1.00	0.87	0.74	0.59	1.00	0.90	0.76	0.61	1.00	1.00	**0.78**	0.63	1.00	1.00	0.80	0.66	1.00	1.00	0.86	0.71
		ΔT	28	26	22	19	28	26	22	19	28	26	23	19	28	26	**22**	19	27	26	22	18	29	27	23	20
		kW	2.32	2.32	2.31	2.34	2.60	2.59	2.59	2.61	2.90	2.90	2.90	2.92	3.23	3.23	**3.23**	3.25	3.60	3.60	3.60	3.62	4.04	4.04	4.03	4.05
		Amps	8.2	8.2	8.2	8.3	9.4	9.4	9.4	9.5	10.7	10.7	10.7	10.8	12.2	12.2	**12.2**	12.2	13.8	13.8	13.8	13.9	15.7	15.7	15.7	15.7
		Hi PR	269	271	272	277	311	313	314	319	355	357	358	363	403	404	**406**	411	454	455	457	462	509	510	512	516
		Lo PR	127	129	132	137	135	136	139	145	141	143	146	151	147	148	**152**	157	152	154	157	162	159	161	164	169
	1325	MBh	42.9	43.4	44.7	46.5	42.5	43.1	44.3	46.2	41.4	42.0	43.2	45.1	39.6	40.2	**41.4**	43.3	37.3	37.9	39.1	41.0	35.3	35.9	37.1	39.0
		S/T	1.00	0.91	0.77	0.63	1.00	0.92	0.78	0.63	1.00	1.00	0.81	0.66	1.00	1.00	**0.83**	0.68	1.00	1.00	0.85	0.70	1.00	1.00	1.00	0.75
		ΔT	26	24	21	17	26	24	21	17	27	25	21	17	26	24	**21**	17	26	24	21	17	27	25	22	18
		kW	2.34	2.34	2.33	2.35	2.61	2.61	2.61	2.63	2.92	2.92	2.91	2.94	3.25	3.25	**3.25**	3.27	3.62	3.62	3.62	3.64	4.06	4.06	4.05	4.07
		Amps	8.3	8.3	8.3	8.4	9.5	9.5	9.5	9.6	10.8	10.8	10.8	10.9	12.3	12.3	**12.2**	12.3	13.9	13.9	13.8	13.9	15.8	15.8	15.7	15.8
		Hi PR	273	274	276	281	315	316	318	323	359	360	362	367	406	408	**410**	414	458	459	461	465	512	513	515	520
		Lo PR	131	132	135	141	138	140	143	148	145	146	149	155	150	152	**155**	160	156	157	161	166	163	164	167	173
85	975	MBh	41.9	42.5	43.7	45.6	41.6	42.1	43.4	45.2	40.5	41.1	42.3	44.2	38.7	39.2	40.5	42.3	36.4	37.0	38.2	40.1	34.4	34.9	36.2	38.0
		S/T	1.00	0.92	0.78	0.63	1.00	1.00	0.78	0.64	1.00	1.00	0.81	0.66	1.00	1.00	0.83	0.68	1.00	1.00	0.85	0.71	1.00	1.00	1.00	0.76
		ΔT	33	31	27	23	33	31	27	23	33	31	27	24	33	31	27	23	32	30	27	23	33	32	28	24
		kW	2.31	2.31	2.31	2.33	2.59	2.59	2.58	2.60	2.89	2.89	2.89	2.91	3.23	3.22	3.22	3.24	3.60	3.59	3.59	3.61	4.03	4.03	4.02	4.05
		Amps	8.2	8.2	8.2	8.2	9.4	9.4	9.3	9.4	10.7	10.7	10.7	10.8	12.2	12.1	12.1	12.2	13.8	13.8	13.7	13.8	15.7	15.6	15.6	15.7
		Hi PR	269	270	272	276	311	312	314	318	355	356	358	362	402	403	405	410	453	454	456	461	508	509	511	515
		Lo PR	127	129	132	137	135	136	140	145	141	143	146	151	147	149	152	157	153	154	157	163	160	161	164	170
	1100	MBh	42.4	43.0	44.2	46.1	42.1	42.6	43.9	45.7	41.0	41.6	42.8	44.7	39.2	39.7	41.0	42.8	36.9	37.5	38.7	40.6	34.8	35.4	36.7	38.5
		S/T	1.00	0.97	0.83	0.69	1.00	1.00	0.84	0.69	1.00	1.00	0.86	0.72	1.00	1.00	0.88	0.74	1.00	1.00	1.00	0.76	1.00	1.00	1.00	0.81
		ΔT	32	30	26	22	31	30	26	22	32	30	26	23	31	30	26	22	31	29	26	22	32	31	27	23
		kW	2.33	2.32	2.32	2.34	2.60	2.60	2.59	2.62	2.91	2.91	2.90	2.92	3.24	3.24	3.23	3.25	3.61	3.61	3.60	3.62	4.04	4.04	4.04	4.06
		Amps	8.2	8.2	8.2	8.3	9.4	9.4	9.4	9.5	10.8	10.8	10.7	10.8	12.2	12.2	12.2	12.3	13.8	13.8	13.8	13.9	15.7	15.7	15.7	15.8
		Hi PR	271	272	274	278	313	314	316	320	357	358	360	364	404	405	407	412	455	456	458	463	510	511	513	517
		Lo PR	129	130	134	139	137	138	141	147	143	145	148	153	149	150	153	159	154	156	159	164	161	163	166	171
	1325	MBh	43.6	44.1	45.4	47.2	43.2	43.8	45.0	46.9	42.1	42.7	43.9	45.8	40.3	40.9	42.1	43.9	38.0	38.6	39.8	41.7	36.0	36.6	37.8	39.6
		S/T	1.00	1.00	0.88	0.73	1.00	1.00	0.88	0.74	1.00	1.00	0.91	0.76	1.00	1.00	0.93	0.78	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.86
		ΔT	30	28	25	21	30	28	25	21	30	28	25	21	30	28	24	21	30	28	24	21	31	29	25	22
		kW	2.35	2.34	2.34	2.36	2.62	2.62	2.61	2.63	2.93	2.92	2.92	2.94	3.26	3.26	3.25	3.27	3.63	3.63	3.62	3.64	4.06	4.06	4.06	4.08
		Amps	8.3	8.3	8.3	8.4	9.5	9.5	9.5	9.6	10.8	10.8	10.8	10.9	12.3	12.3	12.3	12.4	13.9	13.9	13.9	14.0	15.8	15.8	15.8	15.9
		Hi PR	274	275	277	282	316	317	319	324	360	361	363	368	408	409	411	415	459	460	462	467	513	515	516	521
		Lo PR	132	134	137	142	140	142	145	150	147	148	151	157	152	154	157	162	158	159	162	168	165	166	169	175

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Expanded Cooling Data — APU1461***M41A* — High Stage

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1700	MBh	57.7	58.5	60.2	-	57.2	58.0	59.7	-	55.7	56.5	58.2	-	53.2	54.0	55.7	-	50.0	50.8	52.5	-	47.2	48.0	49.7	-
		S/T	0.67	0.59	0.45	-	0.67	0.60	0.46	-	0.70	0.62	0.49	-	0.72	0.64	0.51	-	1.00	0.66	0.53	-	1.00	0.71	0.58	-
		ΔT	20	18	14	-	20	18	14	-	20	18	15	-	20	18	14	-	20	18	14	-	21	19	15	-
		kW	3.69	3.69	3.68	-	4.13	4.12	4.12	-	4.61	4.61	4.60	-	5.14	5.14	5.13	-	5.73	5.73	5.72	-	6.42	6.42	6.41	-
		Amps	13.1	13.1	13.0	-	15.0	14.9	14.9	-	17.1	17.1	17.0	-	19.4	19.4	19.3	-	21.9	21.9	21.9	-	24.9	24.9	24.9	-
		Hi PR	281	282	284	-	325	326	328	-	371	372	374	-	421	422	424	-	474	475	477	-	531	532	534	-
		Lo PR	123	125	128	-	130	132	135	-	137	138	141	-	142	144	147	-	148	149	152	-	154	156	159	-
	1800	MBh	58.1	58.9	60.6	-	57.6	58.4	60.1	-	56.1	56.9	58.6	-	53.6	54.4	56.1	-	50.4	51.2	52.9	-	47.6	48.4	50.1	-
		S/T	0.69	0.61	0.47	-	0.69	0.62	0.48	-	0.72	0.64	0.50	-	1.00	0.66	0.52	-	1.00	0.68	0.55	-	1.00	0.73	0.60	-
		ΔT	20	18	14	-	20	18	14	-	20	18	14	-	20	18	14	-	19	17	14	-	21	19	15	-
		kW	3.70	3.70	3.69	-	4.14	4.13	4.13	-	4.62	4.62	4.61	-	5.15	5.15	5.14	-	5.74	5.74	5.73	-	6.43	6.43	6.42	-
		Amps	13.1	13.1	13.1	-	15.0	15.0	15.0	-	17.1	17.1	17.1	-	19.4	19.4	19.4	-	22.0	22.0	21.9	-	25.0	25.0	24.9	-
		Hi PR	282	283	285	-	326	327	329	-	372	373	375	-	422	423	425	-	475	476	478	-	532	533	535	-
		Lo PR	124	125	129	-	131	133	136	-	138	139	142	-	143	145	148	-	149	150	153	-	155	157	160	-
	1900	MBh	58.6	59.4	61.1	-	58.1	58.9	60.6	-	56.6	57.4	59.1	-	54.0	54.8	56.5	-	50.9	51.7	53.4	-	48.0	48.8	50.5	-
		S/T	0.70	0.62	0.49	-	0.71	0.63	0.49	-	0.73	0.65	0.52	-	1.00	0.67	0.54	-	1.00	0.70	0.56	-	1.00	0.75	0.61	-
		ΔT	19	17	14	-	19	17	13	-	19	17	14	-	19	17	13	-	19	17	13	-	20	18	14	-
		kW	3.71	3.71	3.70	-	4.15	4.14	4.13	-	4.63	4.63	4.62	-	5.16	5.16	5.15	-	5.75	5.75	5.74	-	6.44	6.44	6.43	-
		Amps	13.1	13.1	13.1	-	15.0	15.0	15.0	-	17.2	17.1	17.1	-	19.5	19.4	19.4	-	22.0	22.0	22.0	-	25.0	25.0	25.0	-
		Hi PR	283	284	286	-	327	328	330	-	373	374	376	-	423	424	426	-	476	477	479	-	533	535	537	-
		Lo PR	125	126	129	-	132	134	137	-	139	140	143	-	144	146	149	-	150	151	154	-	156	158	161	-
75	1700	MBh	57.8	58.6	60.3	62.9	57.2	58.0	59.8	62.4	55.8	56.6	58.3	60.9	53.2	**54.0**	55.7	58.3	50.1	50.9	52.6	55.2	47.2	48.0	49.7	52.3
		S/T	0.80	0.72	0.58	0.44	0.80	0.73	0.59	0.45	1.00	0.75	0.62	0.47	1.00	**0.77**	0.63	0.49	1.00	0.79	0.66	0.51	1.00	1.00	0.71	0.57
		ΔT	24	22	19	15	24	22	19	15	25	23	19	15	24	**22**	19	15	24	22	18	15	25	23	20	16
		kW	3.69	3.68	3.68	3.71	4.12	4.12	4.11	4.15	4.61	4.61	4.60	4.63	5.14	**5.14**	5.13	5.16	5.73	5.72	5.72	5.75	6.42	6.42	6.41	6.44
		Amps	13.1	13.0	13.0	13.2	15.0	14.9	14.9	15.1	17.1	17.1	17.0	17.2	19.4	**19.3**	19.3	19.5	21.9	21.9	21.9	22.0	24.9	24.9	24.9	25.0
		Hi PR	281	282	284	289	325	326	328	333	371	372	374	379	421	**422**	424	429	474	476	478	482	531	533	535	539
		Lo PR	123	125	128	133	130	132	135	140	137	138	141	147	142	**144**	147	152	148	149	152	157	154	156	159	164
	1800	MBh	58.2	59.0	60.7	63.3	57.6	58.5	60.2	62.8	56.2	57.0	58.7	61.3	53.6	**54.4**	56.1	58.7	50.5	51.3	53.0	55.6	47.6	48.4	50.1	52.7
		S/T	0.81	0.74	0.60	0.46	0.82	0.74	0.61	0.47	1.00	0.77	0.63	0.49	1.00	**0.79**	0.65	0.51	1.00	0.81	0.68	0.53	1.00	1.00	0.73	0.58
		ΔT	24	22	18	15	24	22	18	14	24	22	19	15	24	**22**	18	14	24	22	18	14	25	23	19	15
		kW	3.70	3.69	3.69	3.72	4.13	4.13	4.12	4.16	4.62	4.62	4.61	4.64	5.15	**5.14**	5.14	5.17	5.74	5.73	5.73	5.76	6.43	6.42	6.42	6.45
		Amps	13.1	13.1	13.0	13.2	15.0	15.0	14.9	15.1	17.1	17.1	17.1	17.2	19.4	**19.4**	19.4	19.5	22.0	21.9	21.9	22.1	25.0	25.0	24.9	25.1
		Hi PR	282	284	286	290	326	328	329	334	372	374	376	380	422	**423**	425	430	475	477	479	483	533	534	536	541
		Lo PR	124	125	129	134	131	133	136	141	138	139	142	148	143	**145**	148	153	149	150	153	158	155	157	160	165
	1900	MBh	58.6	59.4	61.1	63.7	58.1	58.9	60.6	63.2	56.6	57.4	59.1	61.7	54.0	**54.8**	56.5	59.1	50.9	51.7	53.4	56.0	48.1	48.9	50.6	53.2
		S/T	0.83	0.75	0.62	0.47	0.83	0.76	0.62	0.48	1.00	0.78	0.65	0.50	1.00	**0.80**	0.67	0.52	1.00	0.83	0.69	0.55	1.00	1.00	0.74	0.60
		ΔT	24	22	18	14	23	21	18	14	24	22	18	14	23	**21**	18	14	23	21	18	14	24	22	19	15
		kW	3.71	3.70	3.70	3.73	4.14	4.14	4.13	4.17	4.63	4.63	4.62	4.65	5.16	**5.15**	5.15	5.18	5.75	5.74	5.73	5.77	6.44	6.43	6.43	6.46
		Amps	13.1	13.1	13.1	13.2	15.0	15.0	15.0	15.1	17.1	17.1	17.1	17.2	19.4	**19.4**	19.4	19.5	22.0	22.0	22.0	22.1	25.0	25.0	25.0	25.1
		Hi PR	283	285	287	291	327	329	331	335	373	375	377	381	423	**424**	426	431	477	478	480	485	534	535	537	542
		Lo PR	125	126	129	135	132	134	137	142	139	140	143	148	144	**146**	149	154	150	151	154	159	156	158	161	166

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Expanded Cooling Data — APU1461***M41A* — High Stage (cont.)

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1700	MBh	58.1	58.9	60.6	63.2	57.5	58.3	60.0	62.6	56.1	56.9	58.6	61.2	53.5	54.3	**56.0**	58.6	50.4	51.2	52.9	55.5	47.5	48.3	50.0	52.6
		S/T	1.00	0.85	0.71	0.57	1.00	0.85	0.72	0.57	1.00	0.88	0.74	0.60	1.00	0.90	**0.76**	0.62	1.00	1.00	0.78	0.64	1.00	1.00	0.83	0.69
		ΔT	29	27	23	19	29	27	23	19	29	27	23	20	29	27	**23**	19	28	27	23	19	30	28	24	20
		kW	3.69	3.69	3.68	3.71	4.13	4.12	4.12	4.15	4.61	4.61	4.60	4.64	5.14	5.14	**5.13**	5.16	5.73	5.73	5.72	5.75	6.42	6.42	6.41	6.44
		Amps	13.1	13.1	13.0	13.2	15.0	14.9	14.9	15.1	17.1	17.1	17.0	17.2	19.4	19.4	**19.3**	19.5	21.9	21.9	21.9	22.0	24.9	24.9	24.9	25.0
		Hi PR	282	283	285	290	326	327	329	334	372	373	375	380	421	423	**425**	429	475	476	478	483	532	533	535	540
		Lo PR	124	125	128	133	131	132	136	141	137	139	142	147	143	144	**147**	153	148	150	153	158	155	156	160	165
	1800	MBh	58.5	59.3	61.0	63.6	57.9	58.7	60.4	63.0	56.5	57.3	59.0	61.6	53.9	54.7	**56.4**	59.0	50.8	51.6	53.3	55.9	47.9	48.7	50.4	53.0
		S/T	1.00	0.86	0.73	0.59	1.00	0.87	0.73	0.59	1.00	0.90	0.76	0.62	1.00	0.91	**0.78**	0.64	1.00	1.00	0.80	0.66	1.00	1.00	0.85	0.71
		ΔT	28	26	23	19	28	26	23	19	29	27	23	19	28	26	**23**	19	28	26	22	19	29	27	24	20
		kW	3.70	3.70	3.69	3.72	4.14	4.13	4.13	4.16	4.62	4.62	4.61	4.65	5.15	5.15	**5.14**	5.17	5.74	5.74	5.73	5.76	6.43	6.43	6.42	6.45
		Amps	13.1	13.1	13.1	13.2	15.0	15.0	15.0	15.1	17.1	17.1	17.1	17.2	19.4	19.4	**19.4**	19.5	22.0	22.0	21.9	22.1	25.0	25.0	24.9	25.1
		Hi PR	283	284	286	291	327	328	330	335	373	374	376	381	422	424	**426**	431	476	477	479	484	533	534	536	541
		Lo PR	124	126	129	134	132	133	136	142	138	140	143	148	144	145	**148**	154	149	151	154	159	156	157	160	166
	1900	MBh	58.9	59.7	61.4	64.0	58.4	59.2	60.9	63.5	56.9	57.7	59.4	62.0	54.3	55.1	**56.8**	59.4	51.2	52.0	53.7	56.3	48.4	49.2	50.9	53.5
		S/T	1.00	0.88	0.74	0.60	1.00	0.88	0.75	0.61	1.00	0.91	0.77	0.63	1.00	1.00	**0.79**	0.65	1.00	1.00	0.81	0.67	1.00	1.00	0.87	0.72
		ΔT	28	26	22	18	28	26	22	18	28	26	22	19	28	26	**22**	18	28	26	22	18	29	27	23	19
		kW	3.71	3.71	3.70	3.73	4.14	4.14	4.13	4.17	4.63	4.63	4.62	4.65	5.16	5.16	**5.15**	5.18	5.75	5.74	5.74	5.77	6.44	6.44	6.43	6.46
		Amps	13.1	13.1	13.1	13.2	15.0	15.0	15.0	15.1	17.2	17.1	17.1	17.3	19.5	19.4	**19.4**	19.5	22.0	22.0	22.0	22.1	25.0	25.0	25.0	25.1
		Hi PR	284	285	287	292	328	329	331	336	374	375	377	382	424	425	**427**	432	477	478	480	485	534	535	537	542
		Lo PR	125	127	130	135	133	134	137	143	139	141	144	149	145	146	**149**	154	150	152	155	160	157	158	161	167
85	1700	MBh	59.0	59.8	61.5	64.1	58.5	59.3	61.0	63.6	57.0	57.8	59.5	62.1	54.5	55.3	57.0	59.6	51.3	52.1	53.8	56.4	48.5	49.3	51.0	53.6
		S/T	1.00	0.95	0.81	0.67	1.00	0.95	0.82	0.67	1.00	1.00	0.84	0.70	1.00	1.00	0.86	0.72	1.00	1.00	0.88	0.74	1.00	1.00	1.00	0.79
		ΔT	33	31	27	23	33	31	27	23	33	31	27	23	33	31	27	23	32	30	27	23	34	32	28	24
		kW	3.70	3.70	3.69	3.72	4.14	4.13	4.12	4.16	4.62	4.62	4.61	4.64	5.15	5.15	5.14	5.17	5.74	5.74	5.73	5.76	6.43	6.43	6.42	6.45
		Amps	13.1	13.1	13.1	13.2	15.0	15.0	15.0	15.1	17.1	17.1	17.1	17.2	19.4	19.4	19.4	19.5	22.0	22.0	21.9	22.1	25.0	25.0	24.9	25.1
		Hi PR	283	284	286	291	327	328	330	335	373	374	376	381	423	424	426	431	476	477	479	484	533	534	536	541
		Lo PR	125	127	130	135	133	134	137	143	139	141	144	149	145	146	149	154	150	152	155	160	157	158	161	167
	1800	MBh	59.4	60.2	61.9	64.5	58.9	59.7	61.4	64.0	57.4	58.2	59.9	62.5	54.9	55.7	57.4	60.0	51.7	52.5	54.2	56.8	48.9	49.7	51.4	54.0
		S/T	1.00	0.97	0.83	0.69	1.00	0.97	0.84	0.69	1.00	1.00	0.86	0.72	1.00	1.00	0.88	0.74	1.00	1.00	0.90	0.76	1.00	1.00	1.00	0.81
		ΔT	32	30	27	23	32	30	26	23	32	30	27	23	32	30	26	23	32	30	26	22	33	31	27	24
		kW	3.71	3.70	3.70	3.73	4.14	4.14	4.13	4.17	4.63	4.63	4.62	4.65	5.16	5.16	5.15	5.18	5.75	5.74	5.74	5.77	6.44	6.44	6.43	6.46
		Amps	13.1	13.1	13.1	13.2	15.0	15.0	15.0	15.1	17.2	17.1	17.1	17.3	19.4	19.4	19.4	19.5	22.0	22.0	22.0	22.1	25.0	25.0	25.0	25.1
		Hi PR	284	285	287	292	328	329	331	336	374	375	377	382	424	425	427	432	477	478	480	485	534	536	538	542
		Lo PR	126	128	131	136	134	135	138	143	140	142	145	150	146	147	150	155	151	152	156	161	158	159	162	167
	1900	MBh	59.9	60.7	62.4	65.0	59.3	60.1	61.8	64.4	57.9	58.7	60.4	63.0	55.3	56.1	57.8	60.4	52.2	53.0	54.7	57.3	49.3	50.1	51.8	54.4
		S/T	1.00	0.98	0.84	0.70	1.00	1.00	0.85	0.71	1.00	1.00	0.87	0.73	1.00	1.00	0.89	0.75	1.00	1.00	0.92	0.77	1.00	1.00	1.00	0.82
		ΔT	32	30	26	22	32	30	26	22	32	30	26	23	32	30	26	22	31	29	26	22	33	31	27	23
		kW	3.72	3.71	3.71	3.74	4.15	4.15	4.14	4.18	4.64	4.64	4.63	4.66	5.17	5.16	5.16	5.19	5.76	5.75	5.75	5.78	6.45	6.44	6.44	6.47
		Amps	13.2	13.2	13.1	13.3	15.1	15.1	15.0	15.2	17.2	17.2	17.1	17.3	19.5	19.5	19.4	19.6	22.0	22.0	22.0	22.1	25.1	25.0	25.0	25.1
		Hi PR	285	286	288	293	329	330	332	337	375	376	378	383	425	426	428	433	478	480	482	486	535	537	539	543
		Lo PR	127	129	132	137	135	136	139	144	141	143	146	151	147	148	151	156	152	153	157	162	159	160	163	168

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

APU1424040M41 - Rise Range: 20° - 50°**

E.S.P.	T1 Fan Only Speed		T2 Heating Speed			T3 Heating Speed			T4 Cooling Speed		T5 Cooling Speed	
	Cfm	Watts	Cfm	Watts	Rise	Cfm	Watts	Rise	Cfm	Watts	Cfm	Watts
0.1	600	50	968	132	30	733	65	34	891	109	1156	201
0.2	542	57	914	139	31	703	74	36	845	116	1110	211
0.3	494	67	868	148	33	664	83	38	794	127	1063	220
0.4	423	73	819	157	35	604	91	41	741	133	1015	228
0.5	339	78	768	165	36	536	98	44	694	141	971	235
0.6	284	85	723	175	38	483	105	49	634	149	923	241
0.7	217	91	661	177	40	430	111	x	567	157	881	251
0.8	160	96	590	186	43	381	119	x	506	162	832	259

APU1430060M41 - Rise Range: 30° - 60°**

E.S.P.	T1 Fan Only Speed		T2 Heating Speed			T3 Heating Speed			T4 Cooling Speed		T5 Cooling Speed	
	Cfm	Watts	Cfm	Watts	Rise	Cfm	Watts	Rise	Cfm	Watts	Cfm	Watts
0.1	891	113	1196	190	34	891	113	44	1107	189	1285	278
0.2	831	119	1147	197	36	831	119	46	1051	197	1238	284
0.3	780	127	1102	204	37	780	127	47	1006	207	1189	293
0.4	714	135	1054	212	38	714	135	50	963	215	1146	300
0.5	639	146	1009	221	39	639	146	54	906	218	1105	306
0.6	555	153	955	230	40	555	153	60	842	229	1058	314
0.7	502	159	897	238	41	502	159	X	773	237	1011	324
0.8	444	165	828	245	42	444	165	X	690	245	948	329

APU1436060M41 - Rise Range: 30° - 60°**

E.S.P.	T1 Fan Only Speed		T2 Heating Speed			T3 Heating Speed			T4 Cooling Speed		T5 Cooling Speed	
	Cfm	Watts	Cfm	Watts	Rise	Cfm	Watts	Rise	Cfm	Watts	Cfm	Watts
0.1	870	107	1216	228	31	870	107	42	1356	298	1533	408
0.2	792	118	1149	234	32	792	118	44	1296	307	1470	419
0.3	685	130	1083	246	33	685	130	48	1234	316	1416	428
0.4	623	138	1014	252	34	623	138	51	1170	327	1360	434
0.5	549	143	919	265	38	549	143	54	1104	335	1307	446
0.6	479	144	850	272	41	479	144	55	1020	347	1247	455
0.7	411	155	781	280	43	411	155	58	950	353	1177	468
0.8	343	161	717	285	44	343	161	X	879	360	1104	478

APU1442080M41 - Rise Range: 30° - 60°**

E.S.P.	T1 Fan Only Speed		T2 Heating Speed			T3 Heating Speed			T4 Cooling Speed		T5 Cooling Speed	
	Cfm	Watts	Cfm	Watts	Rise	Cfm	Watts	Rise	Cfm	Watts	Cfm	Watts
0.1	1090	146	1363	249	40	1304	221	43	1487	317	1637	444
0.2	1024	156	1305	256	42	1242	230	45	1433	327	1593	454
0.3	960	165	1247	269	45	1185	241	46	1378	338	1541	459
0.4	867	173	1189	276	46	1126	249	49	1323	345	1497	473
0.5	791	183	1130	285	48	1054	258	52	1265	356	1450	478
0.6	710	191	1048	294	50	967	270	54	1196	365	1407	485
0.7	644	196	966	305	52	899	278	56	1124	376	1357	493
0.8	587	206	901	315	54	832	285	59	1063	384	1304	502

X = Not recommended for heat application.
Note: The shaded area indicates ranges in excess of maximum external static pressure allowable when heating.
For satisfactory operation, external static pressure should not exceed 0.8” w.c.

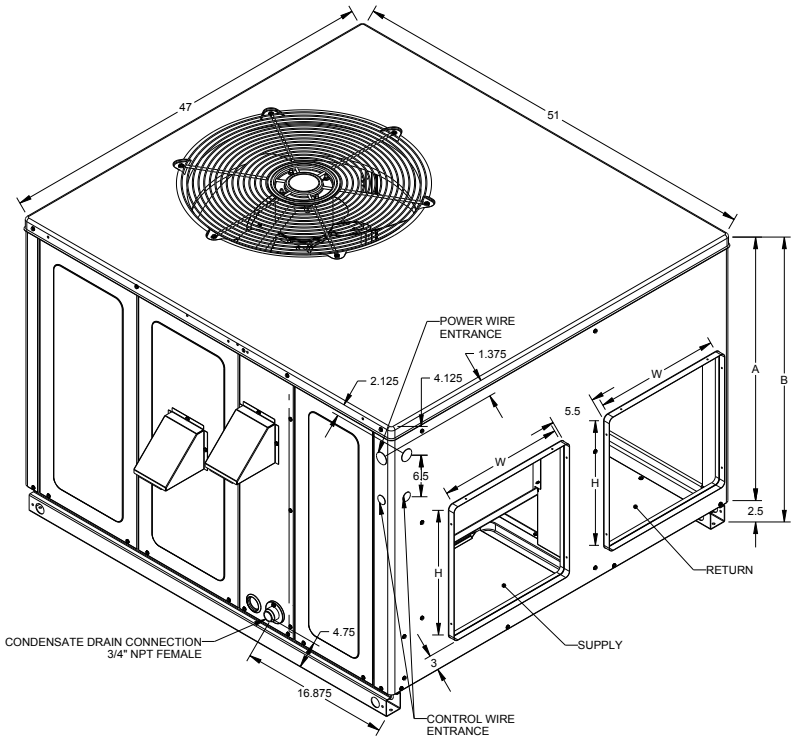
APU1448080M41 - Rise Range: 30° - 60°**

E.S.P.	T1 FAN ONLY SPEED		T2 Heating Speed			T3 Heating Speed			T4 Cooling Speed		T5 Cooling Speed	
	Cfm	Watts	Cfm	Watts	Rise	Cfm	Watts	Rise	Cfm	Watts	Cfm	Watts
0.1	1090	146	1363	249	40	1304	221	43	1757	487	1928	626
0.2	1024	156	1305	256	42	1242	230	45	1709	502	1874	639
0.3	960	165	1247	269	45	1185	241	46	1662	510	1836	647
0.4	867	173	1189	276	46	1126	249	49	1610	519	1780	658
0.5	791	183	1130	285	48	1054	258	52	1557	532	1735	671
0.6	710	191	1048	294	50	967	270	54	1506	540	1683	677
0.7	644	196	966	305	52	899	278	56	1451	550	1629	686
0.8	587	206	901	315	54	832	285	59	1397	556	1578	693

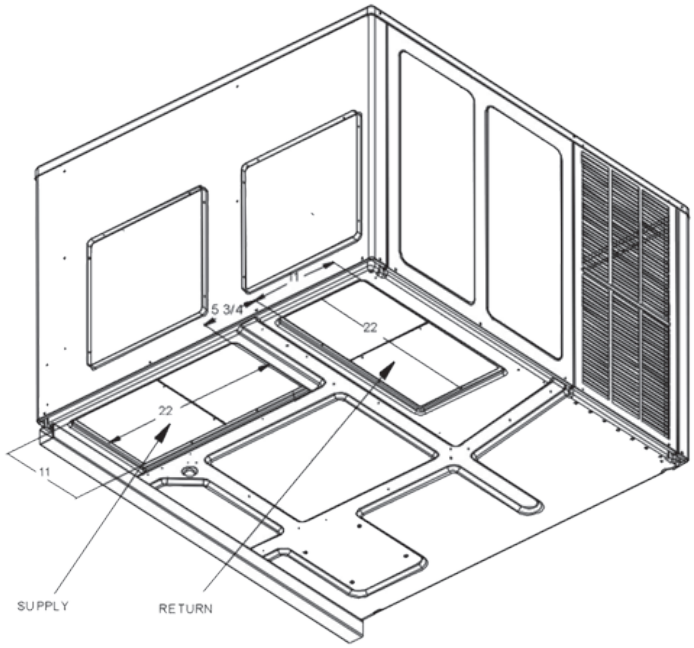
APU1461080M41 - Rise Range: 30° - 60°**

E.S.P.	T1 FAN ONLY SPEED		T2 Heating Speed			T3 Low Stage Cooling Speed		T4 High Stage Cooling Speed		T5 Cooling Speed	
	Cfm	Watts	Cfm	Watts	Rise	Cfm	Watts	Cfm	Watts	Cfm	Watts
0.1	1156	158	1283	200	42	1283	200	1835	499	1975	602
0.2	1077	163	1224	210	44	1224	210	1787	498	1928	616
0.3	1015	172	1152	216	46	1152	216	1735	517	1877	622
0.4	930	179	1098	228	49	1098	228	1681	525	1837	644
0.5	839	193	1025	236	51	1025	236	1638	537	1782	649
0.6	759	200	945	249	53	945	249	1587	551	1738	660
0.7	697	206	867	264	56	867	264	1544	558	1689	664
0.8	632	216	806	271	61	806	271	1495	572	1634	676

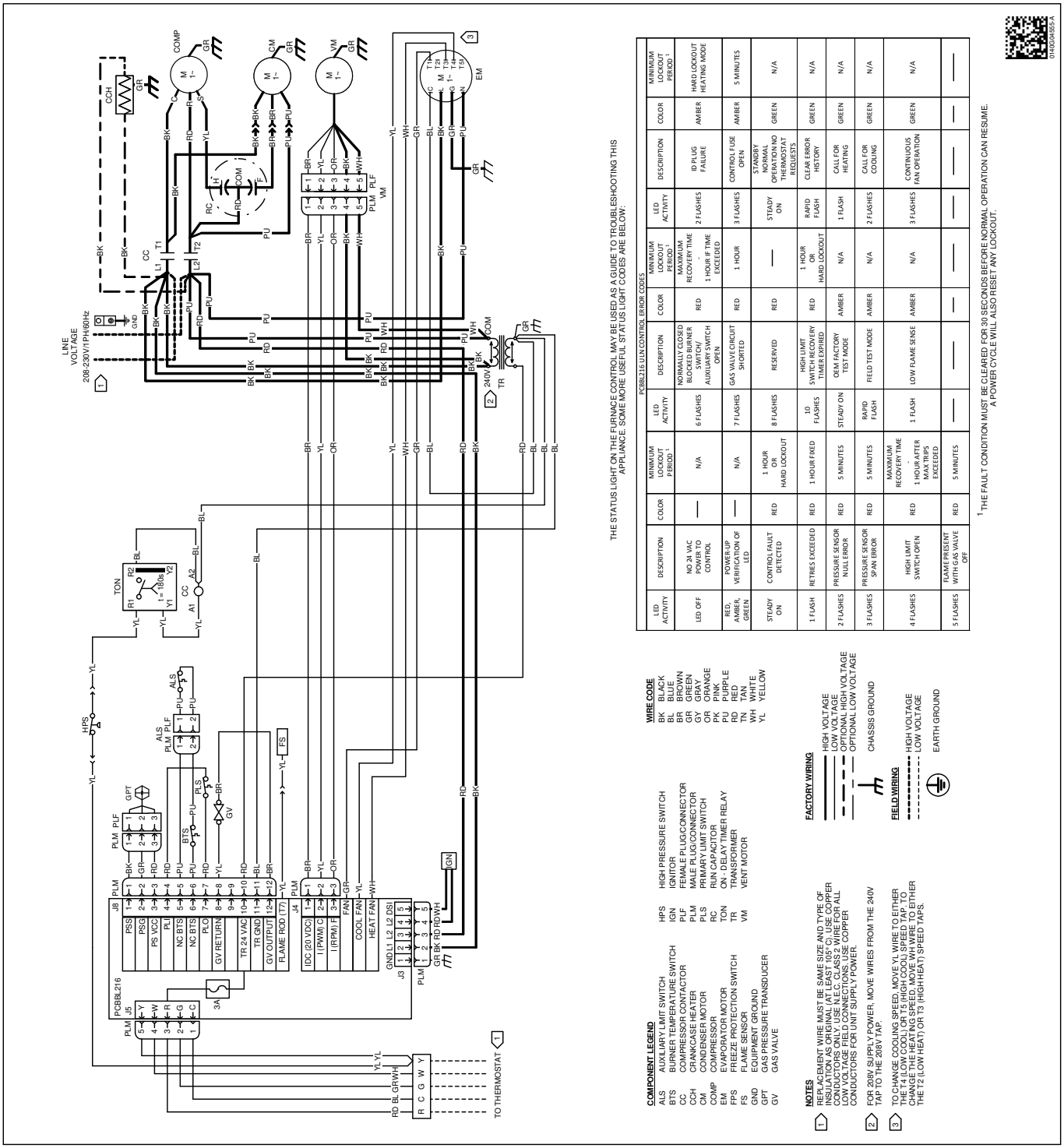
X = Not recommended for heat application.
Note: The shaded area indicates ranges in excess of maximum external static pressure allowable when heating.
For satisfactory operation, external static pressure should not exceed 0.8” w.c.



Model	Unit Dimensions (Inches)				Chassis Size
			Height		
	W	D	A	B	
APU1424***M41A*	47	51	32	34½	Medium
APU1430***M41A*	47	51	32	34½	Medium
APU1436***M41C*	47	51	32	34½	Medium
APU1442***M41C*	47	51	32	42½	Large
APU1448***M41C*	47	51	40	42½	Large
APU1461***M41A*	47	51	40	42½	Large



Model	Duct Openings			
	Supply		Return	
	W	H	W	H
APU1424***M41A*	16	16	16	16
APU1430***M41A*	16	16	16	16
APU1436***M41C*	16	16	16	16
APU1442***M41C*	16	18	16	18
APU1448***M41C*	16	18	16	18
APU1461***M41A*	16	18	16	18



THE STATUS LIGHT ON THE FURNACE CONTROL MAY BE USED AS A GUIDE TO TROUBLESHOOTING THIS APPLIANCE. SOME MORE USEFUL STATUS LIGHT CODES ARE BELOW:

PCBBL216 U1N CONTROL ERROR CODES

LED ACTIVITY	DESCRIPTION	COLOR	MINIMUM LOCKOUT PERIOD[1]	LED ACTIVITY	DESCRIPTION	COLOR	MINIMUM LOCKOUT PERIOD[1]	LED ACTIVITY	DESCRIPTION	COLOR	MINIMUM LOCKOUT PERIOD[1]
LED OFF	NO 24 VAC POWER TO CONTROL	—	N/A	6 FLASHES	NORMALLY CLOSED BLOCKED BURNER SWITCH/ AUXILIARY SWITCH OPEN	RED	MAXIMUM RECOVERY TIME - 1 HOUR IF TIME EXCEEDED	2 FLASHES	ID PLUG FAILURE	AMBER	HARD LOCKOUT HEATING MODE
RED, AMBER, GREEN	POWER-UP VERIFICATION OF LED	—	N/A	7 FLASHES	GAS VALVE CIRCUIT SHORTED	RED	1 HOUR	3 FLASHES	CONTROL FUSE OPEN	AMBER	5 MINUTES
STEADY ON	CONTROL FAULT DETECTED	RED	1 HOUR OR HARD LOCKOUT	8 FLASHES	RESERVED	RED	—	STEADY ON	STANDBY NORMAL OPERATION NO THERMOSTAT REQUESTS	GREEN	N/A
1 FLASH	RETRIES EXCEEDED	RED	1 HOUR FIXED	10 FLASHES	HIGH LIMIT SWITCH RECOVERY TIMER EXPIRED	RED	1 HOUR OR HARD LOCKOUT	RAPID FLASH	CLEAR ERROR HISTORY	GREEN	N/A
2 FLASHES	PRESSURE SENSOR NULL ERROR	RED	5 MINUTES	STEADY ON	OEM FACTORY TEST MODE	AMBER	N/A	1 FLASH	CALL FOR HEATING	GREEN	N/A
3 FLASHES	PRESSURE SENSOR SPAN ERROR	RED	5 MINUTES	RAPID FLASH	FIELD TEST MODE	AMBER	N/A	2 FLASHES	CALL FOR COOLING	GREEN	N/A
4 FLASHES	HIGH LIMIT SWITCH OPEN	RED	MAXIMUM RECOVERY TIME 1 HOUR AFTER MAX TRIPS EXCEEDED	1 FLASH	LOW FLAME SENSE	AMBER	N/A	3 FLASHES	CONTINUOUS FAN OPERATION	GREEN	N/A
5 FLASHES	FLAME PRESENT WITH GAS VALVE OFF	RED	5 MINUTES	—	—	—	—	—	—	—	—

[1] THE FAULT CONDITION MUST BE CLEARED FOR 30 SECONDS BEFORE NORMAL OPERATION CAN RESUME. A POWER CYCLE WILL ALSO RESET ANY LOCKOUT.

COMPONENT LEGEND

ALS	AUXILIARY LIMIT SWITCH	HPS	HIGH PRESSURE SWITCH
BTS	BURNER TEMPERATURE SWITCH	IGN	IGNITOR
CC	COMPRESSOR CONTACTOR	PLF	FEMALE PLUG/CONNECTOR
CCH	CRANKCASE HEATER	PLM	MALE PLUG/CONNECTOR
CM	CONDENSER MOTOR	PLS	PRIMARY LIMIT SWITCH
COMP	COMPRESSOR	PLO	PLUG OUT SWITCH
EM	EVAPORATOR MOTOR	TON	ON DELAY TIMER RELAY
FPS	FREEZE PROTECTION SWITCH	TR	TRANSFORMER
FS	FLAME SENSOR	VM	VENT MOTOR
GND	EQUIPMENT GROUND		
GPT	GAS PRESSURE TRANSDUCER		
GV	GAS VALVE		

WIRE CODE

BK	BLACK
BL	BLUE
BR	BROWN
GR	GREEN
GY	GRAY
OR	ORANGE
PK	PINK
PU	PURPLE
RD	RED
TN	TAN
WH	WHITE
YL	YELLOW

FACTORY WIRING

HIGH VOLTAGE
LOW VOLTAGE
OPTIONAL HIGH VOLTAGE
OPTIONAL LOW VOLTAGE

CHASSIS GROUND

FIELD WIRING

HIGH VOLTAGE
LOW VOLTAGE

EARTH GROUND

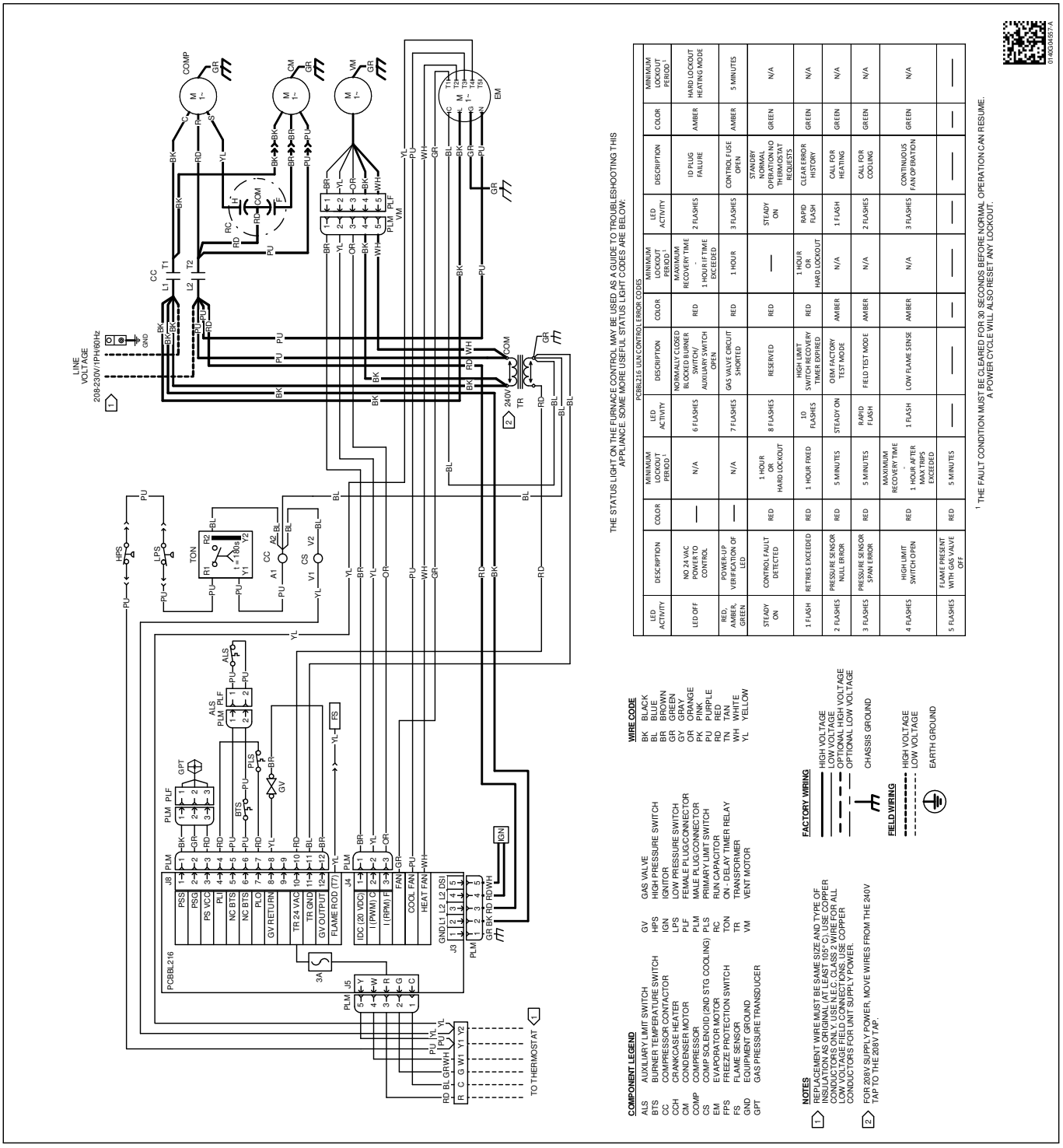
NOTES

1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (AT LEAST 105° C). USE COPPER CONDUCTORS ONLY. USE N.E.C. CLASS 2 WIRE FOR ALL LOW VOLTAGE FIELD CONNECTIONS. USE COPPER CONDUCTORS FOR UNIT SUPPLY POWER.
2. FOR 208V SUPPLY POWER, MOVE WIRES FROM THE 240V TAP TO THE 208V TAP.
3. TO CHANGE COOLING SPEED, MOVE YL WIRE TO EITHER THE T4 (LOW COOL) OR T5 (HIGH COOL) SPEED TAP. TO CHANGE THE HEATING SPEED, MOVE WH WIRE TO EITHER THE T2 (LOW HEAT) OR T3 (HIGH HEAT) SPEED TAPS.

WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.



WARNING

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Accessory Description	Parts Numbers	
	Medium Chassis	Large Chassis
Concentric Kit	CDK36	CDK4872
Downflow Economizer	PGEDJ101/102	PGEDJ103
Downflow Internal Filter Rack (with economizer)	DDNIFRPGMM	N/A (built into economizer)
Downflow Internal Filter Rack (no economizer)	DDNIFRPGA	DDNIFRPGA
Downflow Manual Damper	PGMDD101/102	PGMDD103
Downflow Motorized Damper	PGMDMD101/102	PGMDMD103
Downflow Square to Round	SQRPG101/102	SQRPG103
Economizer Wiring Harness (2-4 Tons)	0259G00214	0259G00214
Economizer Wiring Harness (5 Tons)	N/A	0259L00412
External Horizontal Filter Rack	DPHFRA	DPHFRA
Horizontal Duct Cover	20464501PDGK	20464502PDGK
Horizontal Economizer	DHZECNJPGCHM	DHZECNJPGCHL
Horizontal Manual Damper	PGMDH102	PGMDH103
Horizontal Motorized Damper	PGMDMH102	PGMDMH103
Horizontal Square to Round	SQRPGH101/102	SQRPGH103
Internal Horizontal Filter Rack	DHZIFRPGCHA	DHZIFRPGCHA
Outdoor Thermostat with Housing	OTDFPKG-01	OTDFPKG-01
Roof Curb	D14CRBPGCHMA	D14CRBPGCHMA

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